

Getting Started:: Teachers

Maddie McDonagh Maddie@drfrostmaths.com

www.drfrostmaths.com
[@DrFrostMaths](https://twitter.com/DrFrostMaths)



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Dr Frost Learning is a registered charity
in England and Wales (no 1194954)

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Subscribing to Dr Frost

Empowering learners and teachers in mathematics.

The screenshot shows a math problem on the Dr Frost Maths website. The problem asks to find the perimeter of a composite rectilinear shape. The shape is a rectangle with a smaller rectangle attached to its bottom-left side. The top side is 18 cm, the left side is 3 cm, the bottom side is 6 cm, and the right side is 12 cm. The solution shows the perimeter is 60 cm, calculated as $12 + 6 + 9 + 12 + 3 + 18 = 60$. A grid shows the shape with dashed lines and arrows indicating the calculation of the missing side lengths: $18 - 6 = 12$ and $12 - 3 = 9$.

Supporting learners all the way.

1. Catering for learners of all ages with 1000 question generators, known as Key Skills, and 40000+ exam questions for broader practice.
2. Supported with full workings and worked-example videos.
3. Sequential and scaffolded learning via courses crafted in-house, by exam boards and by schools.

Login

Sign Up

Go to www.dr frostmaths.com and Click 'Sign Up'.

Subscribing to Dr Frost

Let's get started...

Click "I'm a Teacher", this will allow you to register as an individual teacher. Once registered, you will be able to subscribe and add more teacher accounts.



I'm a Student

Able to practise questions independently as well as complete homework assigned to you.



I'm a Teacher

Able to set homeworks, manage student lists, access the database of questions and monitor student progress.



I'm a Parent

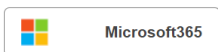
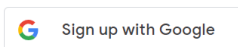
Able to create new accounts for each of your children, set tasks, monitor progress and build worksheets.

If you work as a consultant across a Multi-Academy Trust, please [get in touch](#) for a MAT administrator account. You can see how we collect and use your data on our [Privacy Policy](#).

Multi Academy Trusts may choose to have a trust subscription. Please contact us directly using support@drfrostmaths.com to subscribe and give permissions for a MAT administrator account.

Subscribing to Dr Frost

Sign up as a teacher with...



Sign up with Google, Microsoft365 or search your school's name or postcode. All schools in England and Wales should be listed.

or search for your school

[→ I can't find my school](#)

You can complete a request form if your school is not listed. Our support team will review the request. Please note your institution must either be a school, or an established public service e.g. prisons, hospitals, registered community project etc.

We will reject requests from tutoring agencies and explicitly for-profit institutions.

'Home tutoring' does not constitute a school; please instead register for a 'Parent' account.

Subscribing to Dr Frost

And some final info...

School: **Tiffin School**

Title:

First Name:

Surname:

School Email:

Teacher registrations using personal email addresses will not be approved. A school email address verifies your position at your school.

Monthly Newsletter:

Just once a month we send out a newsletter about new features on the site (which you can unsubscribe from at any time). Happy to receive this?

Set a Password:

Confirm Password:

I'm Done

Teachers must register with their school email address. Personal email addresses will not be approved.

Subscribing to Dr Frost

Once a teacher from your school has registered with Dr Frost, the school will need to subscribe to create more teacher accounts.

Use the top left **Menu** -> **Classes & Settings** and then select 'Subscription'.

The screenshot shows the left-hand navigation menu of the Dr Frost Learning (dfm) dashboard. At the top, there is a 'Menu' button and the 'dfm' logo. Below this, the 'Home Dashboard' is listed with a house icon. The menu is organized into three sections: 'TASKS & LEARNING', 'RESOURCES & TOOLS', and 'SETUP & HELP'. Under 'TASKS & LEARNING', there are links for 'Set a Task', 'Progress Data', 'Question Explorer', 'Papers & Worksheets', and 'Courses'. Under 'RESOURCES & TOOLS', there are links for 'Whiteboard', 'Downloadables', and 'Live! Game'. Under 'SETUP & HELP', there are links for 'Classes & Settings' (which is highlighted) and 'Training'.

The screenshot shows the 'School Subscription' page in the Dr Frost Learning dashboard. The top navigation bar includes a 'Menu' button, the 'dfm' logo, and a search icon. On the left, a sidebar menu lists 'Account', 'Classes', 'Teachers', 'School Settings', 'Subscription' (highlighted), and 'Audit Log'. The main content area is titled 'School Subscription' and displays the following information:

Expiry	May 30th, 2024
Paid	£0
RENEW	
To Pay	£600 + VAT
→ Show Discount Options	

At the bottom of the page, there is a blue button labeled 'Generate Invoice'.

Subscribing to Dr Frost

As part of our charity's vision to make sure our services are available to all schools regardless of budget, we allow schools to apply a discount at their discretion; while schools are expected to pay a fee, we'd rather schools use it at a discounted price/for free than not at all.

The screenshot shows the 'School Subscription' page on the Dr Frost Learning website. The left-hand navigation menu includes 'Account', 'Classes', 'Teachers', 'School Settings', 'Subscription' (which is highlighted in blue), and 'Audit Log'. The main content area displays the following information:

- Expiry:** May 30th, 2024
- Paid:** £0
- RENEW** (Section Header)
- To Pay:** £600 + VAT
- [→ Show Discount Options](#) (Link)
- Generate Invoice** (Button)

A callout box on the right side of the page points to the 'Show Discount Options' link with the text: 'Click 'Show Discount Options' to apply a discount to the subscription fee.'

Click 'Generate Invoice' and follow the instructions for how to make the payment. You will need to email subscriptions@drfrostmaths.com to notify us when you have paid. If the invoice is for £0, your school's head of faculty/department must email the invoice to the subscriptions team.

Home dashboard

Menu

dfm



Use this search bar to search for skills (e.g. Pythagoras) or students (e.g. to change their class).

J Frost 23



Hx L Debr
Tiffin School

School Rank
7th

Points This Year
3,880,467

School Engagement
6/6

Help & Training

Work

My Worksheets View All Tasks

- ✓ Edexcel GCSE (9-1) Nov 2019 2H
0/32 All of 11X1/Ma, No due date
- ✓ Edexcel GCSE(9-1) Nov 2017 1H
10/32 All of 11X1/Ma, No due date
- ✓ K83a Expand a single bracket with an integer on the front.
0/2 All of Demo Test Class, No due date

Set a Task

89%

93%

Your dashboard shows the latest tasks you have set. Click 'View all Tasks' to see all.

Notifications

- ✓ Qnukov Ohssbbk (09L8/Ku) completed an independent practice and achieved 50%
YESTERDAY
Edexcel GCSE(9-1) June 2019 1H
- ✓ Oofwc Khcw (02V1/Hi) completed an independent practice and achieved 48%
DAY
l GCSE (9-1) Nov 2019 2H
- ✓ kvefg (58L6/Ld) completed an independent practice and achieved 38%
2 DAYS AGO
Edexcel G
- ✓ Whih Pvu an indep achieved 2 DAYS AGO
Senior Kar
- ✓ Lklws Nj independ 2 DAYS AGO
Edexcel G

Notifications show the recent activity of students in your classes. You can click a notification to see the student's answers and leave feedback.

Progress Data

View Student Progress

Week Summary Top Students

Tasks set	0
Questions answered	5314
Independent questions	5124

Resources

Home dashboard

Menu

dfm



J Frost ²³



Hx L Debr
Tiffin School

School Rank
7th

Points This Year
3,880,467

School Engagement
6/6

[Help & Training](#)

Work

- ✓ Edexcel GCSE (9-1) Nov 2019 2H
0/32 All of 11X1/Ma, No due date 89%
- ✓ Edexcel GCSE(9-1) Nov 2017 1H
10/32 All of 11X1/Ma, No due date 93%
- ✓ K83a Expand a single bracket with an integer on the front.
0/2 All of Demo Test Class, No due date

Set a Task

[My Worksheets](#) [View All Tasks](#)

Use the quick links to 'My Worksheets' and 'View Student Progress'.

Progress Data

[Week Summary](#) [Top Students](#)

Tasks set	0
Questions answered	5314
Independent questions	5124

[View Student Progress](#)

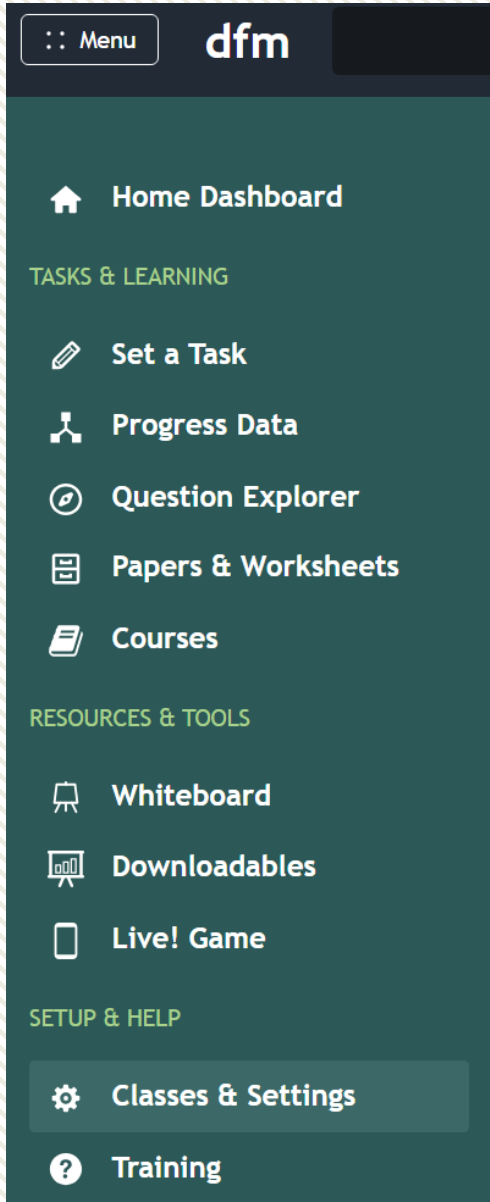
Notifica

- ✓ Qnukov C completed and achieved
YESTERDAY
Edexcel GCSE(9-1) June 2019 1H 48%
- ✓ Oofwc Khcw (02V1/Hi) completed an independent practice and achieved
YESTERDAY
Edexcel GCSE (9-1) Nov 2019 2H 48%
- ✓ x Kvefg (58L6/Ld) completed an independent practice and achieved
2 DAYS AGO
Edexcel GCSE(9-1) Mock Set 4 Autumn 2018 2H 38%
- ✓ Whih Pvuph (04O4/Wb) completed an independent practice and achieved
2 DAYS AGO
Senior Kangaroo 2016 85%
- ✓ Lklws Njpn (65M6/Cd) completed an independent practice and achieved
2 DAYS AGO
Edexcel GCSE(9-1) Nov 2019 3H 55%

Click 'Help and Training' to sign up to a virtual training session or to view help videos.

Resources

The left menu



Set a task: Set a new homework/classwork task to students. You can select questions by topic, from past papers, or build a worksheet from scratch.

Progress Data: View your mark book, analyse student progress by task, leave feedback, view student mastery by course or by topic, view school leaderboards.

Question Explorer: Explore both exam questions and ‘Key Skill’ questions (i.e. randomly generated questions), including accompanying videos.

Papers and Worksheets: Access worksheets you have created in your teacher directory, or access worksheets saved in your school shared area. You can also access past papers, Dr Frost revision worksheets and Dr Frost topic tests.

Courses: A ‘course’ is a scheme of work designed to bring together the resources of Dr Frost in an ordered way. They can be assigned to your learners to support independent practice. You can build your own courses, or you can assign courses from exam boards/ publishers/ Dr Frost courses.

Whiteboard: A virtual whiteboard where you can import questions and connect with student devices.

Downloadables: Downloadable teacher resources, including lesson PowerPoints, worksheets, activities, assessments and our popular ‘Full Coverage’ materials.

Live! Game: a classroom game where students simultaneously answer questions on their mobile device. You can create a worksheet in advance of play or start play immediately from ‘Set a Task’.

Classes & Settings: Set up and manage classes and teachers. Manage your school settings and subscription.

The top menu

The screenshot displays the DFM interface for Hx L Debbr Tiffin School. The top navigation bar includes a menu icon, the 'dfm' logo, a search bar, and the user's name 'J Frost' with a notification badge showing '23'. The school profile section shows the school's crest, name, and various performance metrics: School Rank (7th), Points This Year (3,880,467), and School Engagement (6/6). A notification panel on the right lists unread feedback items, such as 'You have 23 pieces of unread feedback from students regarding completed work.' and 'Mungqb Xdgrkd (81H6/Pf) completed an independent practice and achieved 50%'. Below the work tasks section, a 'Set a Task' button is visible. The progress data section shows a 'Week Summary' with statistics on tasks set, questions answered, and independent questions. A 'View Student Progress' link is also present. The bottom section is labeled 'Resources'. Three callout boxes provide additional information: one explains that users receive notifications for student feedback and how to respond; another explains that every class has a 'demo account' accessible via the 'View as Student' link; and a third explains that users can change their password and link their account to Google/Office 365.

You will receive a notification if a student has written feedback. Click the notification to read and respond to the feedback.

Every class at your school has a 'demo account'. Click 'View as Student' to log in to the demo account. From here you can view/complete tasks set to your class and see the experience as a student.

Change your password, link your account to Google/Office 365, and so on.

Setting up classes

Click the top left menu and choose 'Classes and Settings'.

We **highly recommend** a bulk import for setting up classes, particularly to reset your class groupings at the start of the academic year.

The screenshot shows the dfm interface. On the left is a dark sidebar menu with categories: 'TASKS & LEARNING' (Set a Task, Progress Data, Question Explorer, Papers & Worksheets, Courses), 'RESOURCES & TOOLS' (Whiteboard, Downloadables, Live! Game), and 'SETUP & HELP' (Classes & Settings, Training). The 'Classes & Settings' option is highlighted. The main content area shows a 'Select a class' dropdown menu. Below it, the 'Bulk Import' section is visible, with options for 'Import by spreadsheet', 'Bromcom', and 'Wonde'. To the right, the 'Class Options' section contains '+ Create' and 'Export to Excel' buttons. A black arrow points from the 'Select a class' dropdown to the 'Bulk Import' section. Another black arrow points from the '+ Create' button to a text box on the right.

Use this button to create a single class and add students one by one. Unless adding a small class or intervention group, we don't recommend this option.

Tip: Before performing a bulk import, export your existing class lists to Excel as a backup. The class lists can be restored using **Import by spreadsheet** should you encounter any problems.

Import by spreadsheet

Import by Spreadsheet

Student accounts which are already active will be unaffected, except that the class groupings will be changed.

You must first [download this spreadsheet file](#) and use it to fill in your class lists. Then upload this file using the form below.

Import File: No file chosen

Mode:

- My spreadsheet contains students in my school. This will wipe all existing accounts and set up all your school classes. **WARNING: Do not use to add individual classes. This will wipe all existing accounts and set up all your school classes for the whole school.**
- My spreadsheet only contains classes I want to add to other existing accounts.

DFM Class Import Facility

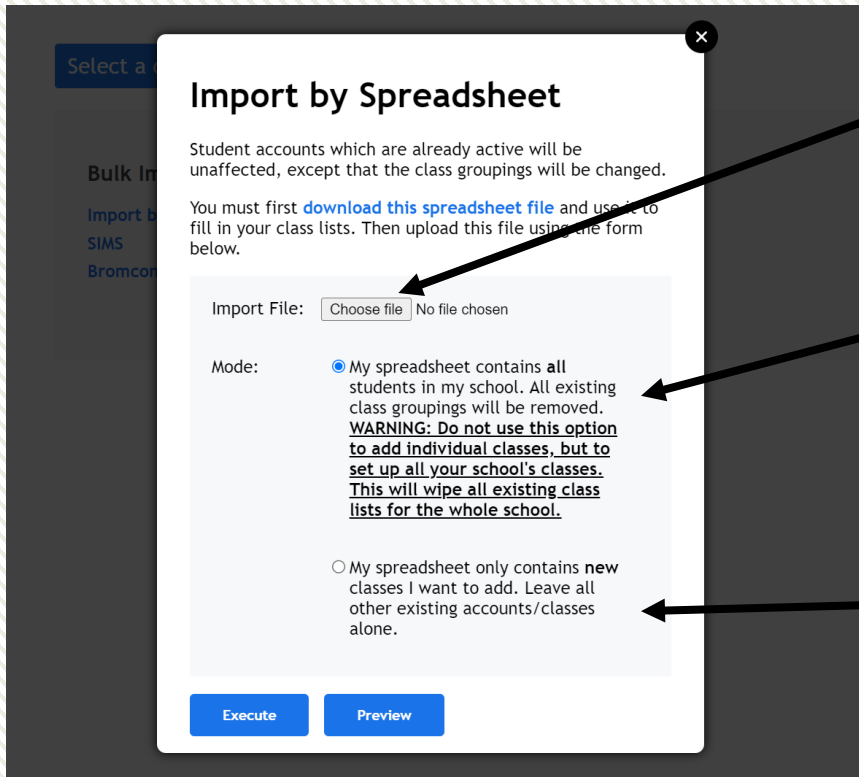
Fill in this spreadsheet with your new class lists. This may include a mixture of existing and new students. For existing students, this import facility will allow you to change their class. Blank rows and any data outside columns B-F will be ignored.

Surname	Firstname	Class	Yeargroup	Email address (optional)
Bloggs	Joe	7JAF	7	2849@myschool.sch.uk

Press **Import by Spreadsheet** and follow the instructions to download an Excel spreadsheet you will need to populate.

Copy and paste data into the required fields to list all your students. If you don't specify an email address, the student will be allocated a username (e.g. jfrost-2594) and a random password, which the student can change. Students who already have an account will be transferred into their new class, and new students will be issued with new accounts.

Import by spreadsheet



Select a

Import by Spreadsheet

Student accounts which are already active will be unaffected, except that the class groupings will be changed.

You must first [download this spreadsheet file](#) and use it to fill in your class lists. Then upload this file using the form below.

Import File: No file chosen

Mode:

My spreadsheet contains all students in my school. All existing class groupings will be removed. **WARNING: Do not use this option to add individual classes, but to set up all your school's classes. This will wipe all existing class lists for the whole school.**

My spreadsheet only contains new classes I want to add. Leave all other existing accounts/classes alone.

Use this button to select your saved import Excel spreadsheet.

If you're starting a new school year you should use the first option. This will start all your class groupings from afresh. Remember, you can recover the original class groupings if you export to Excel. **This mode will never delete any active student accounts.**

The second option is useful to add additional classes when you've previously already set some up.

We recommend using the **Preview** button before you execute the import. This will show you what the import will do, including any existing accounts identified.

Import by spreadsheet

Import successfully completed. You can now view each class to assign teachers and courses.

If your import included email addresses, your students should now be receiving automated emails to activate their accounts and set a password/link with Google or Microsoft.

If you created accounts without email addresses, then after selecting the class, we recommend exporting your class, using Class Options → Export to Excel, which will include all the passwords we have generated for them. Passwords for accounts *with* email addresses will not be visible.

Note that if you have included email addresses, the student will receive an activation email.

Otherwise, you can share login details with your class by exporting the class list to Excel.

Menu

dfm



Account

Classes

Teachers

School Settings

Subscription

Audit Log

← My New Class
5 students

Year

Year 10

Teachers

Ms Maddie McDonagh

Assigned Courses

NONE

Class Options

Delete Class
Get Join URL
Class demo account
Export to Excel

+ Students

Apply action

<input type="checkbox"/>	STUDENT	CLASSES	EMAIL/USERNAME	LOGIN METHOD	LAST LOGIN
<input type="checkbox"/>	Clark, Heidi	(My New Class)	hclark-168624	Password	Never
<input type="checkbox"/>	Cruz, Marco	(My New Class)	mcruz-168624	Password	Never
<input type="checkbox"/>	Habib, Azeem	(My New Class)	ahabib-168624	Password	Never
<input type="checkbox"/>	Stevens, Mathew	(My New Class)	mstevens-168624	Password	Never
<input type="checkbox"/>	Yang, Jasmina	(My New Class)	jyang-168624	Password	Never

Sharing student passwords

dfm

My New Class
5 students

Year: Year 10

Teachers: Ms Maddie McDonagh

Assigned Courses: NONE

Class Options

- Delete Class
- Get Join URL
- Class demo account
- Export to Excel

+ Students

<input type="checkbox"/>	STUDENT	CLASSES	EMAIL/USERNAME	LOGIN METHOD	LAST LOGIN
<input type="checkbox"/>	Clark, Heidi	(My New Class)	hclark-168624	Password	Never
<input type="checkbox"/>	Cruz, Marco	(My New Class)	mcruz-168624	Password	Never
<input type="checkbox"/>	Habib, Azeem	(My New Class)	ahabib-168624	Password	Never
<input type="checkbox"/>	Stevens, Mathew	(My New Class)	mstevens-168624	Password	Never
<input type="checkbox"/>	Yang, Jasmina	(My New Class)	jyang-168624	Password	Never

The student passwords can now be seen in the Excel file.

Surname	Firstname	Class	Yeargroup	Email/Username	Password
Clark	Heidi	My New Class	10	hclark-168624	26997
Habib	Azeem	My New Class	10	ahabib-168624	75631
Cruz	Marco	My New Class	10	mcruz-168624	43306
Yang	Jasmina	My New Class	10	jyang-168624	34832
Stevens	Mathew	My New Class	10	mstevens-168624	74168

Import from a school data system (MIS)

The screenshot shows the DrFrostMaths web interface. On the left is a navigation menu with items: Account, Classes, Teachers, School Settings, Subscription, and Audit Log. The main content area is titled 'Bulk Import' and includes a 'Select a class' dropdown menu. Below this, there are two buttons: '+ Create' and 'Export to Excel'. A link labeled 'Import by spreadsheet Wonde' is highlighted with a blue arrow pointing to it. A modal dialog box is open in the foreground, containing the following text: 'We're just about to check whether your school is set up for Wonde. Choose one of the options below. Please note that a DrFrostMaths subscription is required to synchronise with MIS systems.' At the bottom of the modal are two buttons: 'Sync' and 'Preview'. A text box on the right side of the screenshot contains the text: 'If your school is subscribed, you can import from a school data management system by syncing with Wonde.'

Press 'Sync' and confirm you give permission for Wonde to set up your school. Once Wonde linking has been approved, you will need to return to this page and press 'Sync' again in order to select the subjects/classes you wish to be available on Dr Frost.

Create a single class

The screenshot shows the top navigation bar with a 'Menu' button, the 'dfm' logo, and a search icon. On the left, a sidebar menu lists 'Account', 'Classes', 'Teachers', 'School Settings', 'Subscription', and 'Audit Log'. The 'Classes' menu item is highlighted. In the main content area, there is a blue button labeled 'Select a class' with a dropdown arrow. Below it, the 'Bulk Import' section offers 'Import by spreadsheet' with sub-options for 'Bromcom' and 'Wonde'. To the right, the 'Class Options' section contains a '+ Create' button and an 'Export to Excel' button. A green callout box with an arrow points to the '+ Create' button.

You can create classes one at a time. We only recommend using this option when creating small classes or an intervention group as you will need to add the students one by one.

This is a modal form for creating a single class. It includes a close button (X) in the top right corner. The text reads: "This facility is to manually add a single class. If you wish to set up all your classes, use the **Import by Spreadsheet** option instead." The form fields are: 'Name:' with a text input field; 'Yeargroup:' with a dropdown menu currently set to 'Reception'; 'Assigned Teachers:' with a dropdown menu currently set to 'NONE'; and 'Course:' with a dropdown menu currently set to 'NONE'. A blue 'Create' button is located at the bottom left of the modal.

Give the class a name and assign with the relevant teacher. We recommend adding the teachers in your school first so you can assign them to classes you create. It is possible to assign teachers to classes at a later stage in class settings.

Create a single class

The screenshot shows the 'My New Class' page with a sidebar on the left containing 'Account', 'Classes', 'Teachers', 'School Settings', 'Subscription', and 'Audit Log'. The main area has a header with 'My New Class' (0 students), 'Year' (Year 8), 'Teachers' (Dr Jamie Frost), and 'Assigned Courses' (Year 8). A '+ Students' button is highlighted with a red '1' and a callout box that reads: 'Use this button to add students yourself. If you don't specify email addresses for students, usernames and random passwords will be allocated for you.' Below the button is a table with columns for 'STUDENT', 'EMAIL/USERNAME', 'PASSWORD', and 'LAST LOGIN'. A 'Skip' button is also visible.

Once you've created the class, you will see a quick on-screen tutorial. You can use the **+Students** button to add students one at a time.

Enter the student's details. If you don't wish to specify an email address, the student will be allocated a username (e.g. jfrost-2594) and a random password, which the student can change.

If there's a matching student, you'll be given the option to use this existing account or create a new account. If you specify an email address for an existing account, it'll automatically use this account without prompting.

This form prompts the user to enter student details. It includes a message: 'If no email address is supplied, we'll generate a username for you.' The form has three input fields: 'Firstname', 'Surname', and 'Email (optional)'. A blue 'Submit' button is at the bottom.

This form displays a message: 'We've found a potentially matching student.' Below the message, it says: 'Either choose an existing student to add to this class, or choose to create as a new account.' There is a dropdown menu showing 'Biff, Matthias (11X1/Ma)' and a blue 'Submit' button.

Managing students and classes

Account

Classes

Teachers

School Settings

Subscription

Audit Log

My New Class
3 students

Year: 5th Form

Teachers: Ms Maddie McDonagh

Assigned Courses: NONE

Class Options

	STUDENT	Year	EMAIL/USERNAME	PASSWORD	LAST LOGIN
<input type="checkbox"/>	Granger, Her	Year	hgranger-168624	71240	2 months ago
<input checked="" type="checkbox"/>	Rose, Petal	Year	prose-168624	50700	Unactivated ?
<input type="checkbox"/>	Weasley, Ron	(test 2, Year 11)	rweasley-168624	60876	Never

Apply action dropdown options:

- Edit Details
- Move Class
- Change Password
- Remove From Class
- Delete
- Archive
- Force Activation

Click the row to select a student. When a selection is made, the **Apply Action** dropdown will become visible. You can select more than one student and apply the same action e.g. move class.

If an email address is associated with a student account, rows with '**Unactivated**' are students who haven't yet clicked the link in the automated email they received. If necessary, you can select any such rows and use the **Force Activation** option within the **Apply Action** dropdown. This activates their account and temporarily sets their password to **password**.

Managing students and classes

Change the year group for your class, teachers assigned to the class and any courses assigned to the class here. Note that classes can be assigned to more than one teacher and more than one course.

Delete the class, get the 'class join URL', use the 'demo account' for the class, or export the class to Excel.

Account

Classes

Teachers

School Settings

Subscription

Audit Log

← My New Class
4 students

Year: 5th Form

Teachers: Ms Maddie McDonagh

Assigned Courses: NONE

Class Options

+ Students

Apply action

<input type="checkbox"/>	STUDENT	CLASSES	EMAIL/USERNAME	PASSWORD	LAST LOGIN
<input type="checkbox"/>	Granger, Hermione	(My New Class)	hgranger-168624	71240	2 months ago
<input type="checkbox"/>	Islington, Angel	(My New Class)	*** Personal Email Address	50341	Unactivated ?
<input type="checkbox"/>	Rose, Petal	(My New Class)	prose-168624	50700	Unactivated ?
<input type="checkbox"/>	Weasley, Ron	(My New Class)	rweasley-168624	60876	Never

Important Note: If a student does not use their school email address to register, then their email will appear as “*Personal Email Address*”. This allows for appropriate Safeguarding. You can update the email on the student’s account to their school email address if you wish.

School Settings

- Account
- Classes
- Teachers
- School Settings**
- Subscription
- Audit Log

School Settings

Main Details Logo

School Name: Ravenpuff School

Town/City: The Shire

Country: England

Post/Zip Code:

Timezone: Europe/London

Minimum age: 11

Maximum age: 18

Phase: Secondary

Yeargroup Namings:

UK1 uses Reception and Year 1-13. UK2 students. UKSixthForm restricts to Year native year group namings for a variety

Default Email Extension: @

If you wish to allow multiple extension (uppercase), putting the preferred one. Specifying email extension(s) allows DF have used a personal or school email a

Leaderboard Use:

No restrictions
Global Opt-Out
No internal leaderboards for stud
for power

Update

To access your school's settings go to **Menu → Classes & Settings → School Settings**

You can upload your school logo if not already set.

The intended time for due dates/set dates on set tasks is based on the underlying time zone of the browser you are using. Be wary of this if setting tasks to students in a different country!

Choose your preferred year group naming. For example, UK1 uses "Reception, Year 1, Year 2, ...". UK2 uses "1st Form, 2nd Form, ...". We also have the native naming conventions in various countries.

Set the school email extension to ensure the system knows what a 'school email address' is versus a personal email address. If you have multiple extensions (e.g. one for students and one for teachers), write both extensions, separating them using OR and typing a space before and after.
e.g. *students.myschool.sch.uk OR teachers.myschool.sch.uk*

You can change the leaderboard settings to opt out entirely, or to remove access to the leaderboard on student accounts.

The 'mastery' measure

1. Key Stage/ Age Range	KS3/KS4
2. Strand	Algebra
3. Topic	Expanding Brackets
4. Skill	Expand a single bracket
5. Subskills	Either exam practice (E) or Key Skill practice (K)

KS3/4 → Algebra →

Expanding Brackets

83 Expand a single bracket.

Mastery: 67/100

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> E83: Exam Practice: Expand a single bracket.	Browse	1-4	
<input type="checkbox"/> K83a: Expand a single bracket with an integer on the front.	Example	1	100%
<input type="checkbox"/> K83b: Expand a single bracket requiring simplification.	Example	2	80%
<input type="checkbox"/> K83c: Expand a single bracket with an algebraic term at the front.	Example	2	40%
<input type="checkbox"/> K83d: Expand two sets of single brackets and collect like terms.	Example	3	90%
<input type="checkbox"/> K83e: Expand two sets of single brackets where the second bracket has a negative coefficient.	Example	4	30%

The student's mastery measure is between 1-100. Their mastery goes up or down, depending on both the difficulty of the questions answered, and on whether they answer the questions correctly.

Usually, the subskills within a skill span difficulty 1-4. This means that success with difficulty 1 questions relates to a mastery value 0-25, success with difficulty 2 questions increases their mastery to a value between 25-50 etc. Consequently, a student can only achieve higher mastery by succeeding at more difficult questions.

In the example above, the student's current mastery is 67. They need to demonstrate success with difficulty 4 questions for their mastery measure to increase beyond 75.

The 'mastery' measure



Trophies

15/37



Points This Year

1391

Mastery



12



5



3

Students earn 3-6 points per correctly answered question based on its difficulty. Unlike mastery, points can never go down, and points are an overall tally rather than associated with specific skills.

A student's mastery measure for each skill is visually represented by 3 bars, orange, green and purple. They will see how many skills they have mastered at each level on their dashboard. Each skill has a different mastery threshold for orange, green and purple (e.g a mastery of 85+ for 3 purple bars).

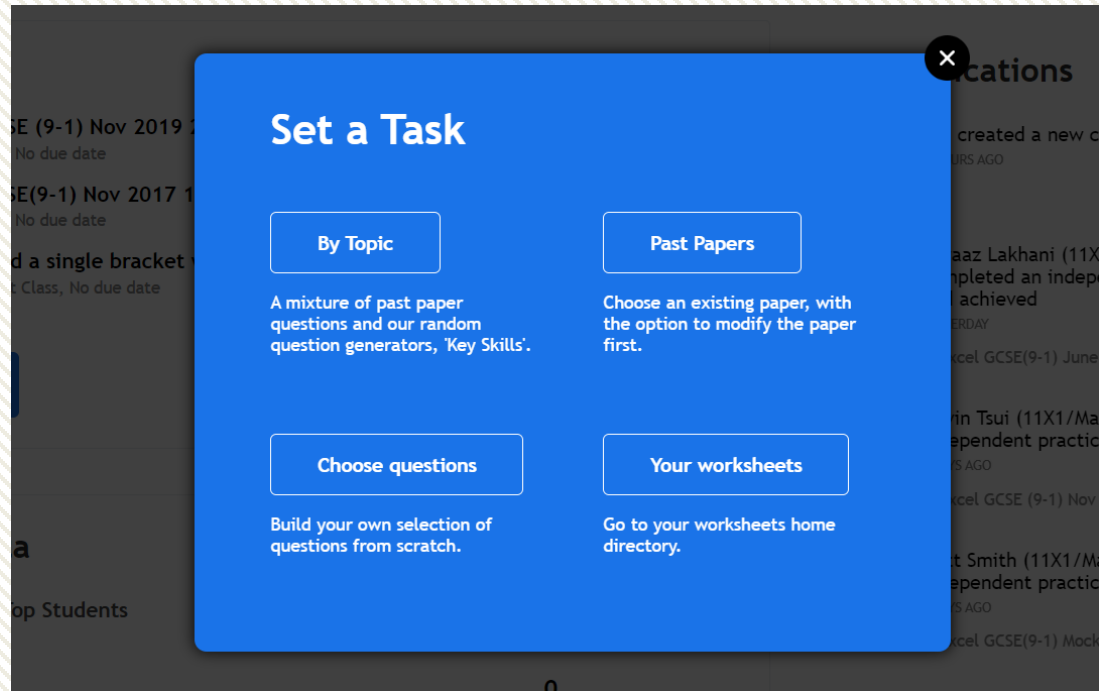
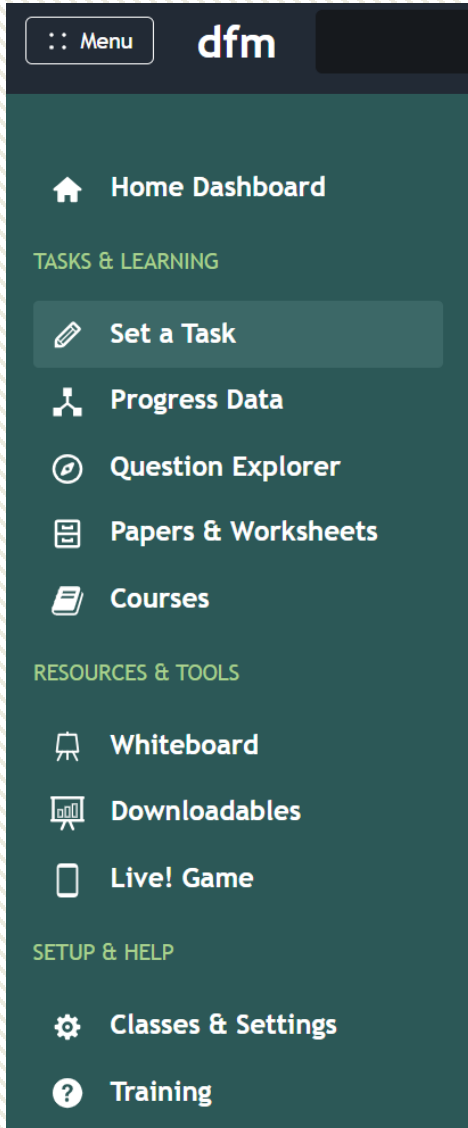
Your mastery for this skill has increased.

179 Expand two brackets.



Set a task

Click the top left menu and choose **'Set a task'**. Alternatively click the **Set a Task** button on your home dashboard.



You'll be presented with different options for setting work, with explanatory text. Let's explore some of these...

Set a task

There are two main sources of questions on Dr Frost:

Key Skill Questions: these are randomly generated (and hence unlimited!) questions of a specific type. They target a single type of question within a skill with surface level variation between questions.

Exam questions: past papers questions from UK and overseas exam boards such as Edexcel, SQA, CEA, WJEC, NZQA, NESA etc.

'By Topic' allows you to select both Key Skill practice and/or exam practice. You can create a worksheet of fixed questions or set 'flexible tasks' (where students each get different question sets).

'Choose questions' allows you to create a worksheet of Key Skill and exam practice starting from a blank template. Select questions one by one to build a bespoke worksheet.

The screenshot shows a blue interface titled "Set a Task". It contains four buttons arranged in a 2x2 grid:

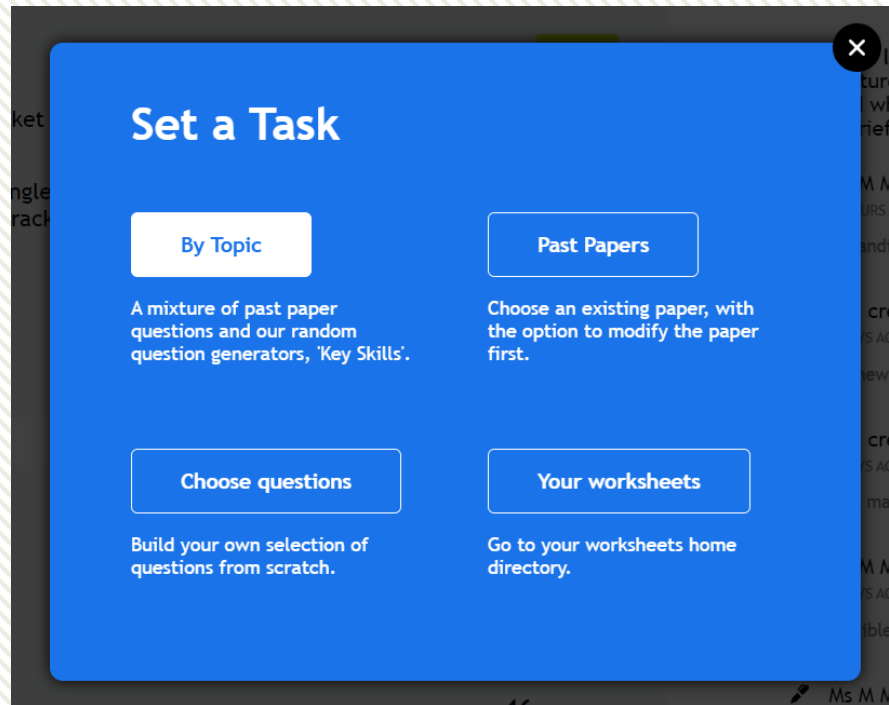
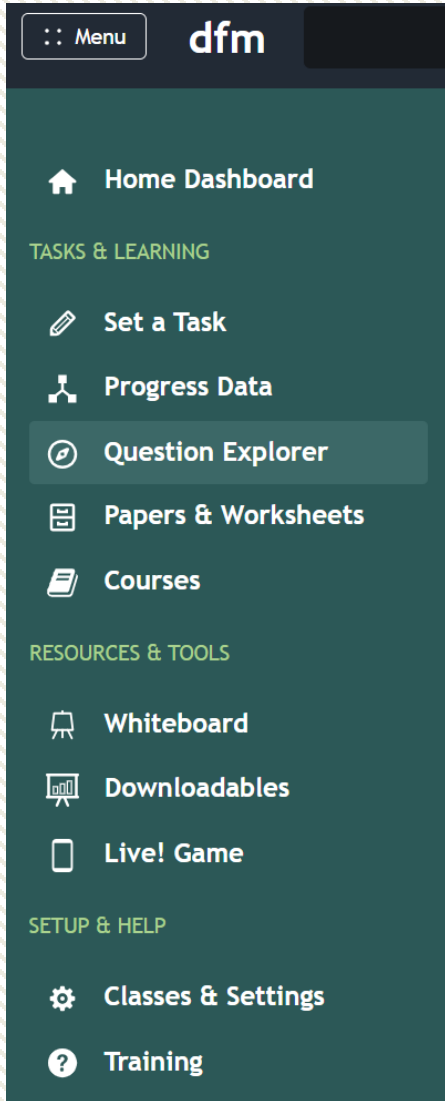
- By Topic:** A mixture of past paper questions and our random question generators, 'Key Skills'.
- Past Papers:** Choose an existing paper, with the option to modify the paper first.
- Choose questions:** Build your own selection of questions from scratch.
- Your worksheets:** Go to your worksheets home directory.

'Past Papers' allows you to set an exam paper as an online task. You can modify the questions, add Key Skill practice or generate a shadow paper.

'Your worksheets' allows you to set a task from a worksheet you have already created. You can also save tasks to your school's shared area.

Set a task: By Topic

You can access the Question Explorer using
Set a Task → By Topic or Menu → Question Explorer.



Set a task: By Topic

:: Menu

dfm



J Frost ²³ ▾

UK Curriculum By Course

▾ KS2

▾ KS3/4

▾ KS5

[Complete Skill List](#)

Either browse skills by UK Curriculum or “By Course”. Click the drop down to select the relevant key stage/age range. You will then be able to select the topic and skills you wish to set.

Recommended for You

- 83 Expand a single bracket.
- 80 Collect like terms.
- 206 Use laws of indices for multiplying powers, dividing powers and raising a power to a power. Deal with a power of 0.
- 263 Know the relationship between the gradients of perpendicular lines.
- 345 Determine a function given its derivative and a point.

Mastering Skills

Each skill has a mastery level between 0 and 100. Getting to different thresholds will achieve 1, 2 or 3 bars of mastery at that skill.

Each skill consists of subskills (mostly Key Skills) of varying difficulties. To get to higher mastery at a skill, you not only need to get questions consistently correct; you need to also master subskills of higher difficulty. Suppose the difficulty within a skill varied from 1 to 4. You could get up to a mastery of 25/100 by answering difficulty 1 question, 50/100 by answering difficulty 2, and so on.

Selection

Topics using the tree, select a mixture of whole skills or the subskills within them.

Set a Task

Generate Worksheet

Have a Go

Set a task: By Topic

The first subskill is 'Exam Practice'. You can click 'Browse' to see all exam questions on this skill.

The screenshot shows the DFM website interface. On the left is a navigation menu with categories like 'UK Curriculum', 'KS2', 'KS3/4', and 'Algebra'. The main content area displays a list of Key Skills for the topic 'Expand a single bracket'. Each entry includes a checkbox, a title, a mastery level, and an 'Example' button. A video icon is present next to the 'Example' buttons for skills with a difficulty of 2 or higher. A callout box points to the 'Example' button for skill K83a, and another callout box points to the video icon for skill K83f.

OR NARROW DOWN	VIDEO	DIFFICULTY
<input type="checkbox"/> E83: Exam Practice: Expand a single bracket. Browse		1-4
<input type="checkbox"/> K83a: Expand a single bracket with an integer on the front. Example		1
<input type="checkbox"/> K83b: Expand a single bracket requiring simplification. Example		2
<input type="checkbox"/> K83c: Expand a single bracket with an algebraic term at the front. Example		2
<input type="checkbox"/> K83d: Expand two sets of single brackets and collect like terms. Example		3
<input type="checkbox"/> K83e: Expand two sets of single brackets where the second bracket has a negative coefficient. Example		3
<input type="checkbox"/> K83f: Expand a single bracket using index laws. Example		4

Pressing the **Example** button on any Key Skill will generate an example question. Click the Refresh icon to get another example and see the level of surface variation.

K83a: Expand a single bracket with an integer on the front.

Expand

$$5(x + 1)$$

[Submit Answer](#)

The video player shows a person writing on a whiteboard. The text on the whiteboard reads: 'KS | EXPAND TWO SETS OF SINGLE BRACKETS WHERE THE SECOND BRACKET HAS A NEGATIVE COEFFICIENT'. Below this, it says 'Expand and simplify: (2) 5(2+3) - 2(3-2) = 5*2 + 15 - 6 + 22 = 10 + 15 - 6 + 22 = 3+15 - 6 + 22 = 12 + 22 = 34'. A red play button is visible over the video.

The video icon brings up a video showing a worked example. Key Skills videos are typically 2-4 minutes long.

Set a task: By Topic

Check the boxes to select the subskills you wish to be included in the task. You can select a mixture of exam practice and Key Skill practice. You can select all the Key Skills in one go by checking the box next to the skill name.

The screenshot shows the 'Set a task' interface on the dfm website. The sidebar on the left shows the 'UK Curriculum' and 'Algebra' sections. The main area displays a list of subskills for 'Expand two brackets.' with checkboxes and columns for 'VIDEO', 'DIFFICULTY', and 'RECENT ACCURACY'. A 'Your selection' panel on the right shows the chosen subskills.

OR NARROW DOWN	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> E179: Exam Practice: Expand two brackets. Browse	📺	1-4	
<input type="checkbox"/> K179a: Expand two brackets in the form $(x - a)(x + a)$. Example	📺	1	100%
<input type="checkbox"/> K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$. Example	📺	1	100%
<input checked="" type="checkbox"/> K179c: Expand an expression in the form $(x + a)^2$. Example	📺	2	67%
<input type="checkbox"/> K179d: Expand two brackets in the form $(ax + b)(cx + d)$. Example	📺	2	100%
<input checked="" type="checkbox"/> K179e: Expand a pair of brackets containing up to three terms. Example	📺	3	
<input type="checkbox"/> K179f: Expand expressions of the form $(ax + b)(cx + d) - (ex + f)(gx + h)$. Example	📺	4	100%
<input checked="" type="checkbox"/> K179g: Expand double brackets with subsequent simplification required. Example	📺	4	

Your selection

- :: K83c Expand a single bracket with an algebraic term at the front.
- :: K83e Expand two sets of single brackets where the second bracket has a negative coefficient.
- ... K179c Expanded...

[Set a Task](#)

[Generate Worksheet](#)

[Have a Go](#)

Note: if you wish to set **flexible questions** then you cannot select a mixture of Key Skill practice and exam practice.

Set a task: By Topic

Your selection will appear on the right. You can drag and change the order of the skills you have selected, and you can select subskills from additional topics using the topic tree to the left.

179 Expand two brackets.

Mastery: 58/100

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> E179: Exam Practice: Expand two brackets.	Browse	1-4	
<input type="checkbox"/> K179a: Expand two brackets in the form $(x - a)(x + a)$.	Example	1	100%
<input type="checkbox"/> K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$	Example	1	100%
<input checked="" type="checkbox"/> K179c: Expand an expression in the form $(x + a)^2$.	Example	2	67%
<input type="checkbox"/> K179d: Expand two brackets in the form $(ax + b)(cx + d)$.	Example	2	100%
<input checked="" type="checkbox"/> K179e: Expand a pair of brackets containing up to three terms.	Example	3	
<input type="checkbox"/> K179f: Expand expressions of the form $(ax + b)(cx + d) - (ex + f)(gx + h)$	Example	4	100%
<input checked="" type="checkbox"/> K179g: Expand double brackets with subsequent simplification required.	Example	4	

Your selection

::: K83c Expand a single bracket with an algebraic term at the front. ×

::: K83e Expand two sets of single brackets where the second bracket has a negative coefficient. ×

... K179a Expand two ... ×

Set a Task

Generate Worksheet

Have a Go

Set a task allows you to set the questions in your selection as a fixed set of questions, flexible questions, or a Live! Game.

Generate Worksheet allows to generate a fixed set of questions which you can save for later or set immediately. It is equivalent to **Set a task**-> **Fixed Questions**

Have a Go is equivalent to the 'Practise' button students will see here if working independently. It allows you to experience completing the questions as a student.

Set a task: By Topic- Fixed Questions

Set a Task

K83c: Expand a single bracket with an algebraic term at the front.

K83e: Expand two sets of single brackets where the second bracket has a negative coefficient.

K179c: Expand an expression in the form $(x + a)^2$.

K179e: Expand a pair of brackets containing up to three terms.

K179g: Expand double brackets with subsequent simplification required.

Fixed Questions

Advantages: Everyone gets the same questions. Option to set as a formal assessment.

Flexible Questions

Advantages: More control over completion criteria, e.g. accuracy required. Differentiate by ability, with students advancing to harder Key Skills in your selection as they consistently get questions correct.

Live! Game

Intended for a classroom environment. Students see the questions on your own screen and play along on their mobile/tablet device.

Continue

Set a task -> Fixed questions will require you to generate a worksheet before setting the task. Use the drop down to select the number of questions you require for each subskill, and whether you wish the skills to interleave or follow on from each other.

Generate Worksheet

K83c: Expand a single bracket with an algebraic term at the front.

K83e: Expand two sets of single brackets where the second bracket has a negative coefficient.

K179c: Expand an expression in the form $(x + a)^2$.

K179e: Expand a pair of brackets containing up to three terms.

K179g: Expand double brackets with subsequent simplification required.

This facility, using the skills you selected, allows you to create a fixed set of questions that you can either **set as a homework/assessment** or **export to Word** as a worksheet.

Num Questions: 3 of each subskill (15 total) ▾

Interleave Skills: No ▾ ?

Generate

Set a task: By Topic- Fixed Questions

dfm M McDonagh

No saved location
New Template **Generate**

No saved location
New Worksheet **Set as Task** Save Save As Download

View Edit More Options

Save Options

Question 1 Skill: K83c Expand a si...
Question 2 Skill: K83e Expand two ...
Question 3 Skill: K179c Expand an ...
Question 4 Skill: K179e Expand a p...
Question 5 Skill: K179g Expand dou...
Question 6

Question 1 1 2 3 4
Expand
 $x(9x + 4)$

Question 2 1 2 3 4
Expand and simplify
 $4(3x + 5) - 3(3x - 5)$

Question 3 1 2 3 4
Expand and simplify:
 $(x - 3)^2$
 $(x - 3)^2 \equiv$

Question 4 1 2 3 4
Expand and simplify:
 $(8p^2 + 3p + 4)(2p^2 + 5p)$

Question 5 1 2 3 4
Expand and simplify
 $(2x + 4)^2 + 5x(2x + 2)$

Question 6 1 2 3 4
Expand
 $8z(4z - 3)$

Question 7 1 2 3 4
Expand and simplify
 $2(3x + 1) - 3(x - 5)$

+ EXAM QUESTION
+ KEY SKILL QUESTION

Review the questions which have been generated and use the refresh icon if necessary. You can drag the questions to change their order.

Add an exam question or further Key Skill questions by pressing the plus sign.

Set a task: By Topic- Fixed Questions

You must save the worksheet before you can 'Set a Task'. The default option will save the worksheet in your teacher directory. You can click on the links within 'Location' and save to a folder within your own directory or click on the name of your school to save in the shared or restricted areas.

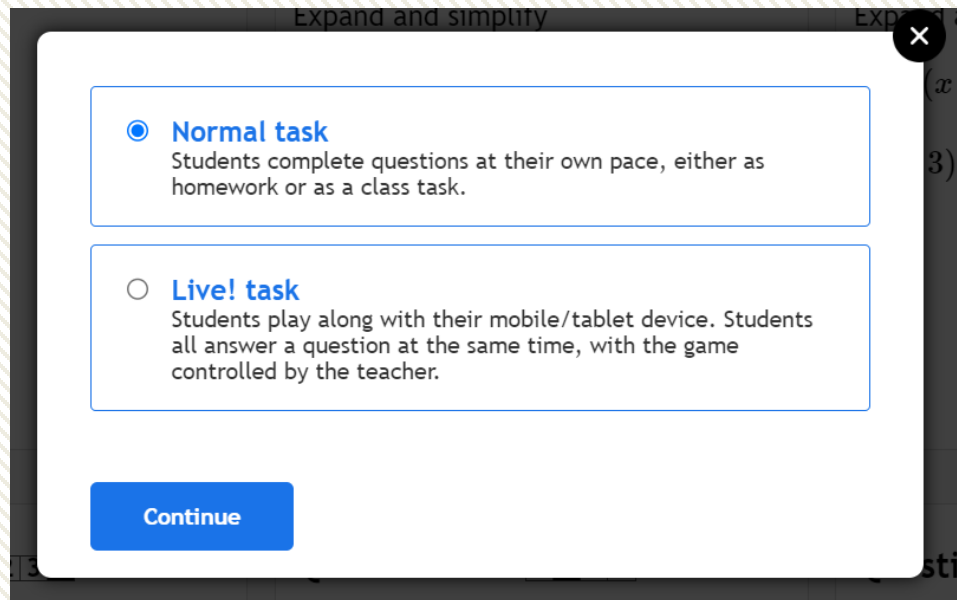
The screenshot shows the 'dfm' interface. The top navigation bar includes a 'Menu' icon, the 'dfm' logo, a search icon, and the user name 'M McDonagh'. The main content area is split into two panels: 'New Template' on the left and 'New Worksheet' on the right. The 'New Worksheet' panel has a 'Set as Task' button, 'Save', 'Save As', and 'Download' buttons. A modal dialog is open in the center, titled 'Expanding brackets', with a 'Name' field containing 'Expanding brackets' and a 'Location' field containing '/ DFM / Bogwarts School 2 / Individuals / M McDonagh'. A 'Submit' button is at the bottom of the modal. An arrow points from the 'Download' button in the top right to a text box.

Press 'Download' to export to a Microsoft Word document. Answers are provided.

Set a task: By Topic- Fixed Questions

After saving the worksheet and pressing 'Set a Task' you will be presented with the option to set a Normal Task or a Live! Task.

To set the task as a homework, classwork or assessment, select 'Normal Task'.



The screenshot shows a dialog box with a close button (X) in the top right corner. It contains two radio button options:

- Normal task**
Students complete questions at their own pace, either as homework or as a class task.
- Live! task**
Students play along with their mobile/tablet device. Students all answer a question at the same time, with the game controlled by the teacher.

At the bottom left of the dialog box is a blue button labeled "Continue".

Set a task: By Topic- Fixed Questions

Set a Task

Set task for: Click to choose ▾

Worksheet: Expanding Brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a Homework/Classwork

Students get instant feedback after submitting each answer.

Set as an Assessment

Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Set

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Require Videos: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Set a task for a single class, multiple classes, or individuals.

The custom label is the name of the task as it appears on the student's dashboard. If this is left empty then we'll use the names of the skills involved.

You can assign a due date and/or schedule the task to be released on a certain date and time.

The task can be completed as a homework/classwork or as an assessment.

If the task is set as an **assessment**, after students submit their answer, they receive the message "Your answer has been recorded". They will not know which answers are correct/incorrect until the specified due date, and the student **will not be able to change their answers** once they have submitted a response.

Set a task: By Topic- Fixed Questions

Set a Task

Set task for: Click to choose ▾

Worksheet: Expanding Brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a Homework/Classwork
Students get instant feedback after submitting each answer.

Set as an Assessment
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Require Videos: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Set

Warn when wrong: When set to Yes, students will be warned once per question if their answer is incorrect. Excludes multiple choice questions.

Prevent reattempts: When set to Yes, students can only do a homework once, without trying for an improved mark. If set to No and you are setting a **fixed question task**, the students will only need to reattempt incorrect questions. Note, students will not get the explanation/correct answer for incorrectly answered questions. This is to prevent students knowing the answers for subsequent attempts.

Require Working: When set to Yes, students must use the mini-whiteboard next to the question display to provide workings. Optional means the working will be recorded if provided.

Require Feedback: After students have answered a question, they have a box in which they can leave written reflections on the question for the teacher.

Require videos: When set to Yes, students must watch the video for each selected key skill.

Time limit: When a time limit is chosen, the task will close after the elapsed time. The task should be completed in one sitting if a time limit is given.

Accuracy measure: selecting 'Use Exam marking' will allocate the student the number of marks the question is worth. Note that this option is only available when all questions are exam questions.

Set a task: By Topic- Flexible Questions

179 Expand two brackets.

Mastery: 58/100

OR NARROW DOWN

VIDEO DIFFICULTY RECENT ACCURACY

E179: Exam Practice: Expand two brackets.

Browse



1-4

K179a: Expand two brackets in the form $(x - a)(x + a)$.

Example



1

100%

K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$

Example



1

100%

K179c: Expand an expression in the form $(x + a)^2$.

Example



2

67%

K179d: Expand two brackets in the form $(x + a)(x + b)$.



2

100%

K179e: Expand a binomial in the form $(x + a)(x + b)$.



3

K179f: Expand a binomial in the form $(x + a)(x + b)$.



4

100%

K179g: Expand a binomial in the form $(x + a)(x + b)$.



4

Set a Task

K178c: Factorise by taking a common algebraic factor out involving index laws.

Fixed Questions

Advantages: Everyone gets the same questions. Option to set as a formal assessment.

Flexible Questions

Advantages: More control over completion criteria, e.g. accuracy required. Differentiate by ability, with students advancing to harder Key Skills in your selection as they consistently get questions correct.

Live! Game

Intended for a classroom environment. Students see the questions on your own screen and play along on their mobile/tablet device.

Continue

Your selection

:: K83c Expand a single bracket with an algebraic term at the front.

:: K83e Expand two brackets where the second bracket has a negative coefficient.

:: K179a Expand two brackets in the form $(x - a)(x + a)$.

Set a Task

Generate Worksheet

Have a Go

To set flexible questions, select the subskills you require and then press **Set a task -> Flexible questions'**. Remember you can select either Key Skill practice, or exam practice, but not both.

Tip: Make use of the example button and the refresh icon when selecting the Key Skills so you are confident you have made the right selection.

Set a task: By Topic- Flexible Questions

‘Fixed number of questions’ means each student will get the same number of questions.

- **with differentiation** means the system will increase the difficulty of the questions as the student demonstrates success with each subskill. If a student struggles gets a subskill incorrect, they will be given questions on this subskill until they get a correct answer.
- **with interleaving** means the system will rotate the subskills so the student has equal exposure to each type of question.

‘Accuracy required to finish’ means some students will answer more questions than others. It is recommended to choose this option if you want to ensure the student answers a minimum number of questions on each subskill and can demonstrate consistency getting their answers correct.

Set a Task

Set task for: Click to choose ▾

Skills: K178c Factorise ... ▾

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Fixed number of questions
Either the system differentiates between the subskills in your selection (giving them harder or easier questions based on their changing mastery), or interleaving between all the skills in your selection.

10 ▾ questions with differentiation ▾

Accuracy required to finish
We'll interleave between the subskills within your selection. Students need to achieve the required accuracy at each subskill.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Require Videos: No ▾ ?

Time Limit: None ▾

Hide skill names: No ▾ ?

Set

Set a task: By Topic- Flexible Questions

Important Prevent reattempts: When set to Yes, students can only do a homework once, without subsequently trying for an improved mark. If set to No and you are setting a **flexible question task**, students will be shown the explanation/correct answer for incorrectly answered questions. When the student reattempts the task, they will need to complete the full task again (not just the incorrect questions). The system will give a new question set based on the same skill selection.

Set a Task

Set task for: ▾

Skills: ▾

Custom Label: ?

Due: No Due Date

Set: ▾

Fixed number of questions
Either the system differentiates between the subskills in your selection (giving them harder or easier questions based on their changing mastery), or interleaving between all the skills in your selection.

questions with ▾

Accuracy required to finish
We'll interleave between the subskills within your selection. Students need to achieve the required accuracy at each subskill.

Options

Warn when Wrong: ▾ ?

Prevent Reattempts: ▾ ?

Require Working: ▾ ?

Require Feedback: ▾ ?

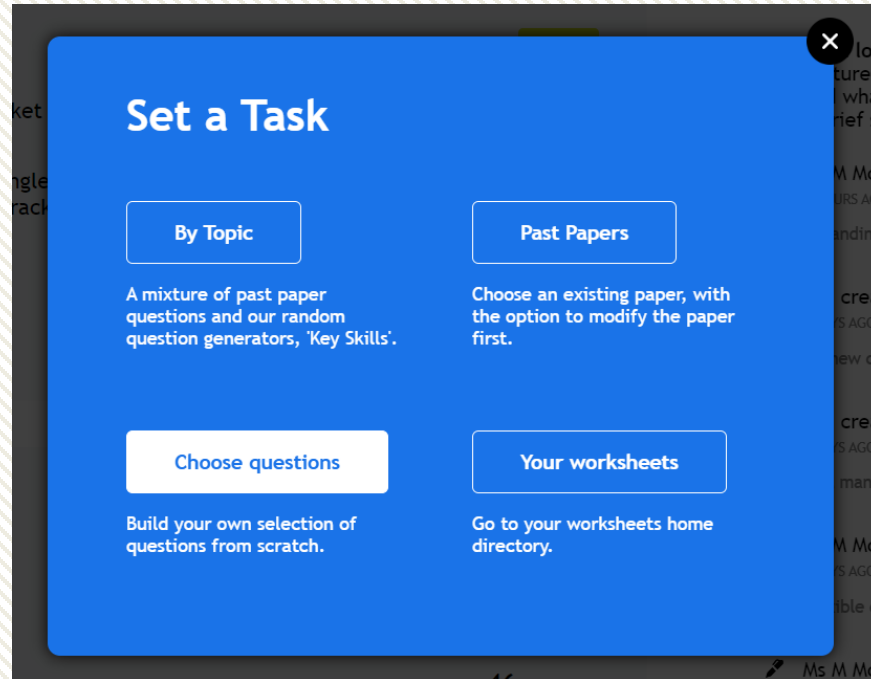
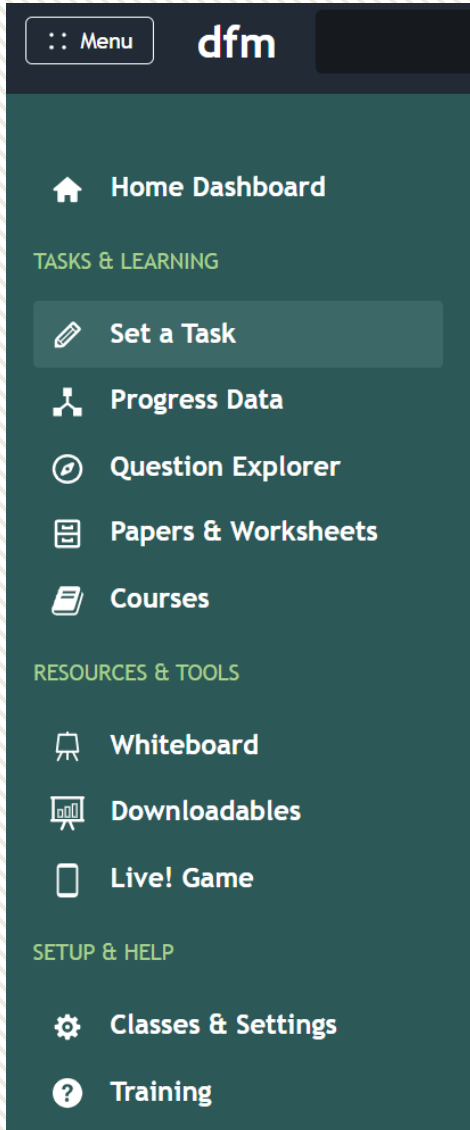
Require Videos: ▾ ?

Time Limit: ▾

Hide skill names: ▾ ?

Set a task: Choose questions

Click the top left menu and choose 'Set a task' -> Choose questions. Alternatively click the Set a Task button on your home dashboard.



You can create a custom selection of questions, mixing past paper exam questions and randomly generated Key Skill questions. We call such a collection a **worksheet**. Worksheets can either be set to students as an online task, exported to Word, or played as a 'Live!' game.

Set a task: Choose questions

The question template allows you to add as many exam questions and/or Key Skill questions as you wish. Click inside the box to starting choosing an exam question.

Question 1

Click to choose an exam question.

+

EXAM QUESTION

+

KEY SKILL QUESTION

Add a past paper **exam question** to your worksheet.

Add a **Key Skill** question to your worksheet. Recall that these are randomly generated questions on very specific question types.

Set a task: Choose questions

You will see this box appear when choosing an exam question.

Use the 'Filter by Topic' drop down to browse by topic or by course.

Filter questions to your chosen exam board.

Choose the difficulty level of the questions.

The screenshot shows a web interface for selecting exam questions. At the top, there are filters: a dropdown menu showing '316 Rationalise ...', a button for 'Exam Questions Only', a difficulty level dropdown set to '2', and a 'filter by keywords' input. Below the filters is a list of questions on the left and a detailed view of a selected question on the right. The selected question is from Edexcel IGCSE(9-1) June 2018 2HR Q17b. It asks to show that $\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$ can be expressed in the form \sqrt{a} where a is an integer. The question is worth 3 marks and has an input field for the answer. At the bottom of the interface are two buttons: 'Use this question' and 'Use all parts of this question'. Three callout boxes with arrows point to the filters and the selected question.

316 Rationalise ... Exam Questions Only Difficulty: 2 filter by keywords

[Edexcel IGCSE Jan 2018 3H Q20b]
Given that a is a prime number,
simplify $\frac{5\sqrt{a} + a}{10\sqrt{a}}$...
Difficulty: [1 2 3 4]
Author: Edexcel

[CCEA GCSE Jan 2020 M8 P1 Q11a]
Rationalise the denominator of $\frac{28}{\sqrt{7}}$
Difficulty: [1 2 3 4]
Author: CCEA

[Edexcel IGCSE(9-1) June 2018
2HR Q17b] Show that $\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$...
Difficulty: [1 2 3 4]
Author: Edexcel

[OCR GCSE(9-1) Nov 2019 5H
Q13b] Simplify $\frac{20}{\sqrt{3}}$ fully by
rationalisin...

[Edexcel IGCSE(9-1) June 2018 2HR Q17b]
Show that
$$\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$$

can be expressed in the form \sqrt{a} where a is an integer.
(3 marks)

Use this question Use all parts of this question

If the question has multiple parts, you have the option to select "Use all parts of this question".

Set a task: Choose questions

dfm

M McDonagh

No saved location
New Worksheet

Set as Task Save Save As Download

View Edit Try as a student

Question 1 [1 2 3 4]

[Edexcel IGCSE(9-1) June 2018 2HR Q17b]

Show that

$$\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$$

can be expressed in the form \sqrt{a} where a is an integer.

Question 2

Click to generate a random Key Skill question.

EXAM QUESTION

KEY SKILL QUESTION

If you click a blank Key Skill question box, you'll be required to search for a Key Skill. You can use the **Regenerate above** button to randomly generate a new question. Once you're happy with it, press **Use this**.

K317c Rationalis...

Rationalise the denominator of

$$\frac{5}{\sqrt{7} + \sqrt{5}}$$

Give your answer in its simplest form.

Regenerate above Use this

Set a task: Choose questions

Save the worksheet before you set it. You can set it as an online task, export it to Word, or play as a 'Live!' game.

The screenshot shows the 'dfm' worksheet editor interface. At the top, there is a navigation bar with a menu icon, the 'dfm' logo, a search icon, and the user name 'M McDonagh'. Below this is a header area with a back arrow, the text 'No saved location', and the title 'New Worksheet'. On the right side of the header, there are buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. Below the header, there are tabs for 'View' and 'Edit', and a 'Try as a student' link on the right. The main area contains a grid of eight question cards, each with a title, a difficulty level indicator (1-4), and a close button. Question 1: 'Rationalise the denominator of $\frac{2}{\sqrt{13}}$ '. Question 2: 'Rationalise the denominator of $\frac{5}{\sqrt{11}}$ '. Question 3: 'Rationalise the denominator of $\frac{8}{\sqrt{11} + \sqrt{2}}$ '. Question 4: '[Edexcel IGCSE(9-1) June 2018 2HR Q17a Edited] Use algebra to write 0.436 as a fraction in its simplest form. (2 marks)'. Question 5: '[Edexcel IGCSE(9-1) June 2018 2HR ...] can be expressed in the form \sqrt{a} where a is an integer.'. Question 6: '[Edexcel IGCSE Jan 2018 3H Q20a] $\sqrt{50} + \sqrt{128} - \sqrt{200} = n\sqrt{2}$ where n is an integer. Find the value of n . (3 marks)'. Question 7: '[Edexcel IGCSE Jan 2018 3H Q20b] Given that a is a prime number, simplify $\frac{5\sqrt{a} + a}{10\sqrt{a}}$. Give your answer in the form $x + y\sqrt{a}$, where x and y are fractions. (2 marks)'. Question 8: '[Edexcel IGCSE Jan 2012-3H Q19] Show that $\frac{\sqrt{3} + \sqrt{27}}{\sqrt{2}}$ can be expressed in the form \sqrt{k} where k is an integer. State the value of k .' To the right of the question cards, there are two plus signs: a black one labeled 'EXAM QUESTION' and a blue one labeled 'KEY SKILL QUESTION'. A callout box with a green background and black text points to the 'Try as a student' link, stating: 'Try as a student' allows you to answer the questions as if you were a student.

Set a task: Choose questions

When you set the task, you will be given the same options as Set a task-> by topic -> fixed questions.

Set a Task

Set task for: Click to choose ▾

Worksheet: Expanding Brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a Homework/Classwork

Students get instant feedback after submitting each answer.

Set as an Assessment

Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Set

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Require Videos: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Set a task for a single class, multiple classes, or individuals.

The custom label is the name of the task as it appears on the student's dashboard. If this is left empty then we'll use the names of the skills involved.

You can assign a due date and/or schedule the task to be released on a certain date and time.

The task can be completed as a homework/classwork or as an assessment.

If the task is set as an **assessment**, after students submit their answer, they receive the message "Your answer has been recorded". They will not know which answers are correct/incorrect until the specified due date, and the student **will not be able to change their answers** once they have submitted a response.

Set a task: Choose Questions

Set a Task

Set task for: Click to choose ▾

Worksheet: Expanding Brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a Homework/Classwork
Students get instant feedback after submitting each answer.

Set as an Assessment
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Require Videos: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Set

Warn when wrong: When set to Yes, students will be warned once per question if their answer is incorrect. Excludes multiple choice questions.

Prevent reattempts: When set to Yes, students can only do a homework once, without trying for an improved mark. If set to No, they student will only need to reattempt incorrect questions. Note, students will not get the explanation/correct answer for incorrectly answered questions. This is to prevent students knowing the answers for subsequent attempts.

Require Working: When set to Yes, students must use the mini-whiteboard next to the question display to provide workings. Optional means the working will be recorded if provided.

Require Feedback: After students have answered a question, they have a box in which they can leave written reflections on the question for the teacher.

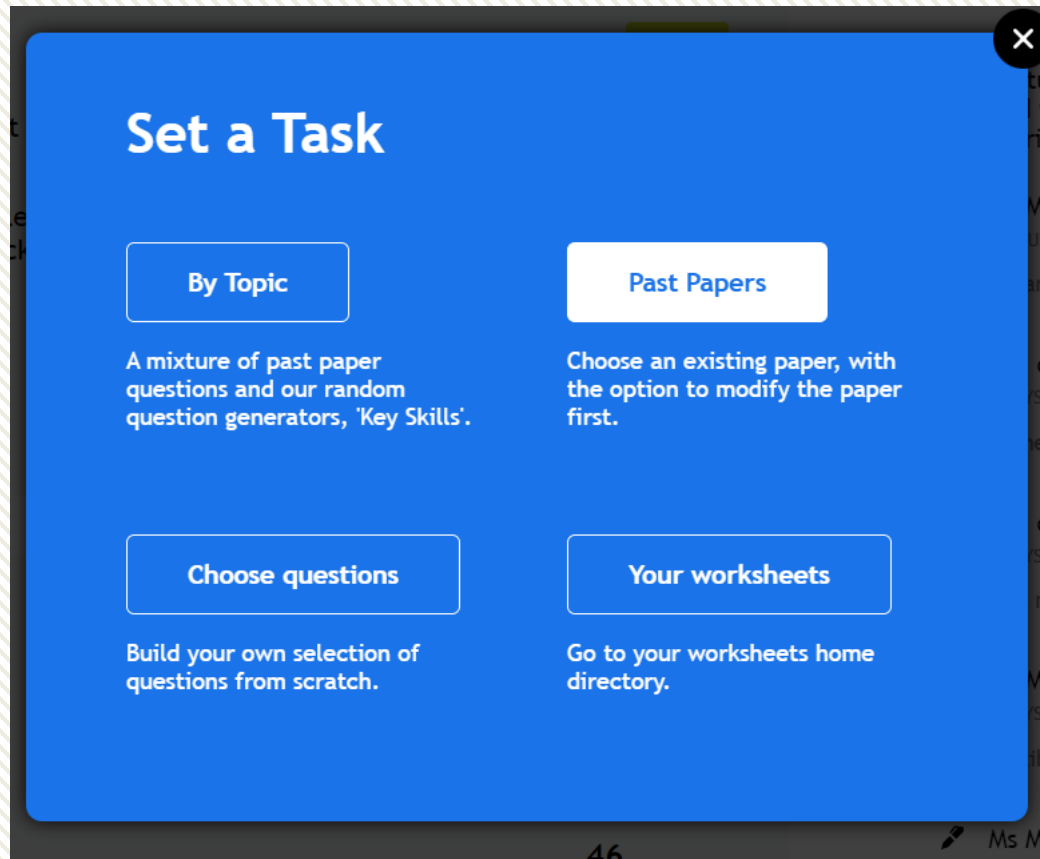
Require videos: When set to Yes, students must watch the video for each selected key skill.

Time limit: When a time limit is chosen, the task will close after the elapsed time. The task should be completed in one sitting if a time limit is given.

Accuracy measure: selecting 'Use Exam marking' will allocate the student the number of marks the question is worth. Note that this option is only available when all questions are exam questions.

Set a task: past papers

Go to Menu → Set a Task → Past Papers.



The screenshot shows a blue modal window titled "Set a Task" with a close button (X) in the top right corner. It contains four options, each with a button and a description:

- By Topic**: A mixture of past paper questions and our random question generators, 'Key Skills'.
- Past Papers** (highlighted): Choose an existing paper, with the option to modify the paper first.
- Choose questions**: Build your own selection of questions from scratch.
- Your worksheets**: Go to your worksheets home directory.

At the bottom of the modal, the number "46" is visible on the left, and a pencil icon and the text "Ms M" are on the right.

Set a task: past papers

Choose an exam board and select a past paper.

The screenshot shows the 'dfm' website interface. At the top, there is a navigation bar with a 'Menu' button, the 'dfm' logo, a search icon, and a user profile for 'J Frost' with a notification badge for '23'. Below the navigation bar, there is a '+ New' button and 'My Home Folder' text. The main content area is titled 'Past Papers' with a back arrow and a sort dropdown set to 'Last Updated'. A descriptive sentence reads: 'Past papers from major exam boards such as Edexcel, OCR, AQA, the DfE Skills Testing Agency and the UK Mathematics Trust.' The page displays a grid of nine exam board options, each with a logo, name, number of worksheets, and a brief description:

- American Maths Association**: 0 worksheets. The American Maths Challenge and AIME (invitational Olympiad).
- AQA**: 76 worksheets. GCSE papers and Further Maths Level 2 Certificate papers.
- Cambridge Mathematical Institute**: 10 worksheets. The CTMUA, used as the admissions test for prospective undergraduates.
- CCEA**: 26 worksheets. Qualifications for Northern Ireland.
- Eduqas**: 11 worksheets. GCSE papers for the Welsh exam board.
- Mathematical Association**: 21 worksheets. Primary Maths Challenges.
- OCR**: 156 worksheets. GCSE and A Level papers.
- Oxford Mathematical Institute**: 18 worksheets. Mathematical Aptitude Test (MAT) papers, used by Oxford and Imperial for university admissions.
- Pearson Edexcel**: 602 worksheets. GCSE, IGCSE and A Level papers.

Set a task: past papers

Click 'Set a task' to set the past paper, without editing, to your students.

Or click 'Edit' to modify the paper before setting.

Click 'More options' to try as a student. Note that when a student completes past paper practice as an online task, they will get feedback as correct/incorrect and they will be shown the markscheme (if prevent reattempts is set to 'yes'). The student will have access to video help and will be able to answer the questions in any order.

The screenshot shows the DFM website interface. At the top, there is a navigation bar with a menu icon, the 'dfm' logo, a search bar, and the user name 'J Frost' with a notification badge '23'. Below the navigation bar, the breadcrumb trail reads '/ DFM / Past Papers / Pearson Edexcel / GCSE 9-1 Foundation'. The main title of the page is 'Edexcel GCSE(9-1) June 2018 3F'. On the right side of the breadcrumb area, there are buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. Below the breadcrumb area, there are links for 'View' and 'Edit', with an arrow pointing to 'Edit' from the text box above. On the far right, there is a 'More Options' dropdown menu with an arrow pointing to it from the text box above. The main content area displays 'Question 8' with a progress indicator '1 2 3 4'. The question text is '[Edexcel GCSE(9-1) June 2018 3F Q5b Edited]'. The question asks to use the digits 8, 2, 1, and 6 to form the smallest possible sum. Below the question, there are two pairs of empty boxes for digits, separated by a plus sign. The question is worth '(1 mark)'. At the bottom, there are input fields for 'The first number is:' and 'The second number is:', a 'Submit Answer' button, and links for 'Report Error' and 'Edit'.

Set a task: past papers

dfm J Frost 23

← / DFM / Past Papers / Pearson Edexcel / GCSE 9-1 Foundation

Edexcel GCSE(9-1) June 2018 3F

Set as Task Save Save As Download

View Edit

In 'Edit' mode, you can now:

- Reorder questions by dragging the question boxes.
- Delete questions using the × in the top right corner of each box.
- Replace questions by clicking on the question within a box.
- Add questions by scrolling down and using the + buttons at the end of the worksheet.

Once finished, use the **Save As** button to save your modified copy, then use the **Set to Students** button as before.

Question 1

[Edexcel GCSE

Write $\frac{9}{10}$ as a

(1 mark)



Question 5

1 2 3 4



[Edexcel GCSE(9-1) June 2018 3F Q4aii Edited]

Here are the first 4 terms of a sequence.

2 9 16 23

Explain how to find the next term in the sequence.

(1 mark)

Question 6

1 2 3 4



[Edexcel GCSE(9-1) June 2018 3F Q4b]

Here are the first 4 terms of a sequence.

2 9 16 23

Work out the 10th term of the sequence.

(1 mark)

Question 7

1 2 3 4



[Edexcel GCSE(9-1) June 2018 3F Q5a]

Here are four digits.

7 3 4 9

Use three of these digits to write down the largest possible 3-digit number.

(1 mark)

Question 8

1 2 3 4



[Edexcel GCSE(9-1) June 2018 3F Q5b Edited]

Here are four digits.

8 2 1 6

Put one of these digits in each box to give the smallest possible answer to the sum. You must use each digit only once.

Set a task: past papers

Recall, if a worksheet contains **all exam questions**, then the 'Accuracy Measure' drop down will be available to 'Use exam marking'. If 'Require working' is set to Yes, then you will be able to review written solutions and award method marks. For details on how to do this, please see page 67.

Set a Task

Set task for: [Click to choose](#) | v

Worksheet: CCEA GCSE Summer 2021 Foundation M6 Paper 1

Custom Label: ?

Due: No Due Date

Set: v

Set as a Homework/Classwork
Students get instant feedback after submitting each answer.

Set as an Assessment
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: v ?

Prevent Reattempts: v ?

Require Working: v ?

Require Feedback: v ?

Require Videos: v ?

Time Limit: v

Accuracy measure: v ?

The student view

Each class you set up also has an associated ‘demo account’. Any work you set to the students in your class will also be set to the demo account. This enables you to see what the experience is like for a student.

On the top account menu, choose ‘View As Student’.

You can also access this when viewing a class within Settings, under ‘Class Options’.

The screenshot shows the top navigation bar of the Dr Frost Learning platform. On the left, there is a 'Menu' button and the 'dfm' logo. On the right, the user's name 'J Frost' is displayed with a notification badge showing '23'. Below the navigation bar, the user's profile information is shown: 'Hx L Debbr' from 'Tiffin School'. To the right of the profile, there are three statistics: 'School Rank 7th', 'Points This Year 3,880,467', and 'School Engagement 6/6'. On the far right, a dark green user menu is open, containing options for 'My Dashboard', 'Log Off', 'View as Student' (highlighted in a light blue box), and 'Account Settings'. A notification in the menu states: 'You have 23 pieces of unread feedback from students regarding completed work.' and another notification says: 'Dr J Frost set a task to All of Test Class.' In the foreground, a modal dialog box titled 'Select a Class' is displayed, explaining that this facility allows using a demo student account as if the user were a student in the class, including any tasks set. Below the text is a dropdown menu with a '-' symbol and a downward arrow.

Select a class. You will now be logged in as that demo account and will need to log off (and back in) if you wish to return to your own account.

The student view

Menu

dfm



Demo test Student 49



Demo test Student
Ravenpuff School

Trophies
2/37

Points This Year
30

Mastery
1 0 0

What to work on next?

Start a Practice

83 Expand a single bracket.

103 Understand the order in which operators in an expression are evaluated according to BIDMAS.

Review Progress

YOUR COURSES

GCSE Higher

+Add Course

My Homework

- ✗ Expand and simplify
Due 21 hours from now
- ✗ Expanding Brackets
- ✗ Flexible expand single bracket
Due 21 hours from now

Review All

Notifications

- You have been set a task by your teacher Ms M McDonagh. Click to start it.
1 HOUR AGO
Expand and simplify
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
23 HOURS AGO
Expanding Brackets
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
5 DAYS AGO
Flexible expand single bracket
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
6 DAYS AGO
K83d Expand two sets of single brackets and collect like terms, K83e Expand two sets of single brackets where the second bracket has a negative coefficient, K...
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
6 DAYS AGO
Y8 Expand and simplify

To experience a task as a student, click on a homework task to begin.

The student view

The screenshot shows the top navigation bar with a menu icon, the 'dfm' logo, a search icon, and the user name 'Demo test Student' with a red '49' badge. On the left, a sidebar contains 'Assigned Work', 'My Progress', and 'Leaderboards'. The main content area shows the task title 'Expand and simplify', an attempt counter 'Attempt 1/1', and a blue 'Start Attempt' button. Below this, a light blue box contains the text 'Use the Start Attempt button above to start this task.' An arrow points from a callout box to the 'Start Attempt' button.

dfm

Menu

Search

Demo test Student 49

Assigned Work

My Progress

Leaderboards

Expand and simplify

Attempt 1/1

Start Attempt

Use the Start Attempt button above to start this task.

Click 'Start Attempt'.

The modal has a dark background and a white content area. It features a close button in the top right corner. The text reads 'You're ready to go! Consider watching these videos before starting.' Below this is a list of four video recommendations, each with a video icon, a title, and a duration of '2 mins'. The first three items are K80d, K83a, and K83c, all related to expanding brackets. The fourth item is K179a. A blue 'Start' button is at the bottom.

You're ready to go! Consider watching these videos before starting.

- K80d Collect like terms without powers. 2 mins
- K83a Expand a single bracket with an integer on the front. 2 mins
- K83c Expand a single bracket with an algebraic term at the front. 2 mins
- K179a Expand two brackets in the

Start

The option to watch videos related to the skills in the task will appear.

If you have selected **'Require videos'** then the student will need to watch the full video before they can press **'Start'**.

The student view

dfm

KS3/4 → Algebra → Formulae and Simplifying Expressions
K80d: Collect like terms without powers.

Watch Worked Example

Video help is accessible within the task.



Students can record working on the side whiteboard by clicking the pen icon.

- Q1
- Q2
- Q3
- Q4
- Q5
- Q6
- Q7
- Q8
- Q9
- Q10
- Q11
- Q12
- Q13
- Q14
- Q15
- Q16
- Q17
- Q18
- Q19

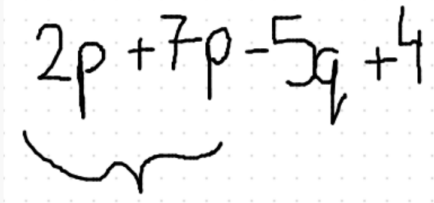
COMPLETION
0%

Simplify

$$2p - 5q + 7p + 4$$

Submit Answer

Students type their answer in the box and can use the keypad below to input their answers using correct mathematical notation.



x	y	e	π	7	8	9	□/□	✖	Main
√□	∛□	a ²	a [□]	4	5	6	×	←	ABC
<	>	≤	≥	1	2	3	-	→	Funcs
()	!	θ	0	.	=	+	↶	Syms

The student view

dfm

Your mastery for this skill has increased.

83 Expand a single bracket.



Watch Worked Example



Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 COMPLETION 42%

Expand

$3x(10x + 1)$

$30x^2 + 3x$

Submit Answer

You can optionally leave a comment for your teacher about this question/your answer. Press Alt+Equals to insert mathematical expressions.

Send

✓ Correct

The answer is $30x^2 + 3x$

① Multiply all terms in the bracket by $3x$

$3x(10x + 1) = 30x^2 + 3x$

Next Question Continue Later

Once they have submitted their answer, a comment box appears for the student to leave feedback.

The student can press 'Continue Later' if required.

The student view

The screenshot shows the 'dfm' interface. At the top left, it says 'Calculator Permitted', 'Author: CCEA', and 'Difficulty: 1 2 3 4'. A button 'Get Video Help on this Topic' is visible. The main task area displays the equation $(x+1)(x-1) = (x+a)^2$ and asks to find the values of a and b . The student has entered $a = 1$ and $b = 2$. A modal window is overlaid on the task, titled 'You achieved 13/19'. It contains the following information:

- Points:** You earned 57 practice points.
- Mastery Progression:**
 - 80 Collect like terms.
 - 83 Expand a single bracket.
 - 179 Expand two brackets.
- Recommendations:**
 - [179 Expand two brackets.](#)
 - [291 Equate coefficients in an identity, \$||f\(x\) \equiv g\(x\)||\$.](#)

At the bottom of the modal are 'Exit' and 'Review Answers' buttons. In the background, a 'Correct' message is visible, and a 'Continue Later' button is present.

At the end of the task the student will have earned practice points and their mastery progression with the skills in the task will be recorded. The student can review their answers and reattempt the task, if allowed.

The student view

The screenshot shows the student view of a task. The top navigation bar includes a menu icon, the 'dfm' logo, a search bar, and the user name 'Demo test Student' with a red '48' badge. The main content area is titled 'Expand and simplify' and shows 'Attempt 1/1' with a 'Re-attempt Task' button. A callout box points to this button with the text: 'The student can click Re-attempt Task.' Below the task title, the correct answer is '6p - 30' and the student's answer is also '6p - 30'. A 'Write a new comment' link is visible. Below this, 'Question 5' is shown with a 4-second timer and a red 'X' icon. The question text is 'K83a Expand a single bracket with an integer on the front. Review'. The student's answer is '4x + 1'. A callout box points to the 'Write a new comment' link with the text: 'The student can write comments after they have completed the task, if they prefer. They can also respond to a comment you have written when reviewing a task.'

The student view

Question 5

4 secs

K83a Expand a single bracket with an integer on the front. [Review](#)

STUDENT ANSWER:

[Report Error](#)

$4x + 1$

WORKING

Expand

$$4(x + 1)$$

[Write a new comment](#)

Alternatively, the student can click 'Review' and complete further practice on the relevant Key Skills/Exam skills. They should make note of the code e.g K83a to ensure they select the right subskill to practise.



83 Expand a single bracket.

Mastery: 25/100

OR NARROW DOWN

VIDEO DIFFICULTY RECENT ACCURACY

E83: Exam Practice: Expand a single bracket.

[Example](#)



1-4

K83a: Expand a single bracket with an integer on the front.

[Example](#)



1

33%

K83b: Expand a single bracket requiring simplification.

[Example](#)



2

K83c: Expand a single bracket with an algebraic term at the front.

[Example](#)



2

100%

K83d: Expand two sets of single brackets and collect like terms.

[Example](#)



3

100%

K83e: Expand two sets of single brackets where the second bracket has a negative coefficient.

[Example](#)



4

Your selection

:: K83a Expand a single bracket with an integer on the front. ×

[Practise](#)

[Live! Game](#)

Progress data for an assigned task

To review an assigned task, use the top left Menu -> Progress Data.

The dashboard displays the following information:

- Header:** dfm logo, search icon, and user name M McDonagh.
- Profile:** Ms M McDonagh, Ravenpuff School.
- Stats:** School Rank 705th, Points This Year 215, School Engagement 1/6.
- Work Section:**
 - Expand and simplify (1/2): All of test, Due 21 hours from now. Progress: 62%
 - Expanding Brackets (0/2): All of test, No due date. Progress: 75%
 - Flexible expand single bracket (0/3): All of test, Due 21 hours from now.
- Progress Data Section:**
 - View Student Progress (link)
 - Week Summary | Top Students
 - Tasks set: 5
 - Questions answered: 65
 - Independent questions: 2
- Notifications:**
 - We'd love to hear your feedback on what features you use on the Dr Frost platform most and what you'd like to see. Click here to fill out a brief survey.
 - Demo test Student (test) completed their homework for Ms M McDonagh and achieved 68% (16 MINUTES AGO). Expand and simplify.
 - Ms M McDonagh set a task to All of test. (2 HOURS AGO). Expand and simplify.
 - Ms M McDonagh set a task to All of test. (YESTERDAY). Expanding Brackets.
 - You created a new class. (4 DAYS AGO). My new class.
 - You created a new class. (4 DAYS AGO). Test manual.

Alternatively, click 'View Student Progress' on the dashboard.

Progress data for an assigned task

Select a class from the drop-down menu and click on the task you want to review.

dfm

M McDonagh

Tasks

- List
- Marksheet
- Student Progress
- Certificates
- Leaderboards
- Feedback

Assigned Tasks

Choose students/classes | 20/8/2022 to 23/8/2023

TASK	SET DATE	DUE DATE	COMPLETED	AVG
Expand and simplify All of test Homework	Aug 16th	Aug 17th 9:30am	1/2	62%
Expanding Brackets All of test Homework	Aug 15th	None	0/2	75%
Flexible expand single bracket All of test Key Skill Homework	Aug 10th	Aug 17th 9:30am	0/3	
K83d Expand two sets of single brackets and collect like terms, K83e All of test Key Skill Homework	Aug 9th	None	0/3	100%
Y8 Expand and simplify All of test Homework	Aug 9th	Aug 17th 10:00am	0/3	100%
Surds practice All of test Key Skill Homework	Jul 18th	None	1/3	30%
Expand with exam extension				

The average percentage of correctly answered questions is indicated. It does not take into account unanswered questions.

Full Breakdown

← Algebra review
All of 7HB

Full Breakdown By Topic By Question

		Q1 View	Q2 View	Q3 View	Q4 View	Q5 View	Q6 View	Q7 View	Q8 View	Q9 View	Q10 View	Q11 View	Q12 View	Q13 View	Q14 View	Q15 View
Hw, Tfgpje View Attempts (3)	13/15 ✓ 145 mins	✓	✓	✓	✓	✓	F X	✓	✓	✓	✓	X	✓	✓	✓	✓
Kwkbyon, Kaiby View Attempts (1)	9/15 ✓ 100 mins	✓	✓	X	✓	✓	F X	✓	X	X	✓	X	✓	✓	✓	X
Gnkvrnk, Hrxugsp View Attempts (1)	9/15 ✓ 60 mins	✓	✓	X	✓	✓	F X	✓	✓	X	✓	X	W 0/4	✓	✓	X
Faszq, Fckpdhr View Attempts (1)	13/15 ✓ 27 mins	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓
Jbwrtg, Qplhrq View Attempts (4)	12/15 ✓ 748 mins	✓	✓	✓	✓	✓	F X	✓	✓	X	✓	X	✓	✓	✓	✓
Fqnbhhr, Diqrd View Attempts (2)	13/15 ✓ 2178 mins	✓	✓	✓	✓	✓	F ✓	✓	✓	X	✓	X	✓	✓	✓	✓
Gzziano, Zylgbqoi View Attempts (1)	13/15 ✓ 30 mins	✓	✓	✓	✓	✓	F X	✓	✓	✓	✓	X	✓	✓	✓	✓

Cells with an F indicate feedback from the student or teacher has been recorded.

Cells with a W indicate the student has written working.

An orange tick indicates the student has reattempted the task and been successful on a subsequent attempt.

A brown/orange tick indicates the student got the correct answer after they received a 'warn when wrong' message.

Full Breakdown

← Algebra review
All of 7HB

[Full Breakdown](#) By Topic By Question

🔄 📄 ✎ 🗑️

		Q1 View	Q2 View	Q3 View	Q4 View	Q5 View	Q6 View	Q7 View	Q8 View	Q9 View	Q10 View	Q11 View	Q12 View	Q13 View	Q14 View	Q15 View
Hw, Tfgpje View Attempts (3)	13/15 ✓ 145 mins	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓
Kwkbyon, Kaiby View Attempts (1)	9/15 ✓ 100 mins	✓	✓	✗	✓	✓	✗	✓	✗	✗	✓	✗	✓	✓	✓	✗
Gnkvrnk, Hrxugsp View Attempts (1)	9/15 ✓ 60 mins	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗	✓	✓	✗
Faszq, Fckpdhr View Attempts (1)	13/15 ✓ 27 mins	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓
Jbwrtg, Qplhrq View Attempts (4)	12/15 ✓ 748 mins	✓	✓	✓	✓	✓	✗	✓	✓	✗	✓	✗	✓	✓	✓	✓
Fqnbhhr, Diqrd View Attempts (2)	13/15 ✓ 2178 mins	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓
Gzziano, Zylgbqoi View Attempts (1)	13/15 ✓ 30 mins	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓

Click on an individual to review their responses, including their previous attempts, and to leave feedback.

Full Breakdown

← Rleot Uneqnvk
Algebra review

Attempt 1/2 ▾

Un-assign Task

Mark as Incomplete

Make Student Redo

The student will receive an email if you click 'Make student redo'.

Question 3

14 mins



K79d Substitution with negative numbers. [Review](#)

CORRECT ANSWER:
[See full markscheme](#)

$P = 20$

STUDENT ANSWER:
[Report Error](#)

$P = 116$

[Edexcel IGCSE(9-1) Jan 2019(R) 2F Q11d]

$$P = 3t^2 + 7t$$

Work out the value of P when $t = -4$

(2 marks)

[Write a new comment](#)

Leave feedback to an individual or send the same feedback to all students with the incorrect answer.



Ms M
McDonagh

You have....

Use feedback for all who got this question wrong.

Submit

Question 4

10 mins



CORRECT ANSWER:

8.66 miles

STUDENT ANSWER:
[Report Error](#)

8.66 miles

[Edexcel GCSE Nov-2006-4I Q25a]

When you are h feet above sea level, you can see d miles to the horizon, where

$$d = \sqrt{\frac{3h}{2}}$$

When you are 50 feet above sea level, how many miles can you see to the horizon? Give your answer correct to 3 significant figures.

[Write a new comment](#)

Update marks using exam marking

To award method marks when you have set a task to 'use exam marking', click on any cell where the student has been awarded 0 marks.

- Menu
- dfm
- Tasks
 - List
 - Marksheet
- Student Progress
- Certificates
- Leaderboards
- Feedback

← Y11 Exam Practice
Joe Bloggs

Full Breakdown

By Topic By Question



Q1 View Q2 View Q3 View

Bloggs, Joe
View Attempts (2)

3/undefined
✓ 10 mins

3/3

0/3

0/4

Click on the score and use the drop down to update to the appropriate number of marks.

Question 2
2 mins

0/3

[AQA GCSE Nov 2012 1F Q21, AQA GCSE Nov 2012 1H Q11a]
ABC is a right-angled triangle.

Not drawn accurately

Work out the size of angle y .
(3 marks)

Write a new comment

WORKING

Not drawn accurately

Current: 0/3

Update to: 0/3

0/3

1/3

2/3

3/3

Update

If written, you will see the student's working here.

'By Topic' view

The 'By Topic' view shows each student's progress with the associated Exam Skills/ Key Skills within the task. The subskills are ordered so that those appearing on the most left are the worst answered across the class.

← Algebra review
All of 7HB

Full Breakdown

By Topic

By Question



	E80 Collect like terms. 35% correct	E83 Expand a single bracket. 35% correct	E81 Multiply single algebraic terms. 50% correct	K82b Divide algebraic terms with powers. 50% correct	K79d Substitution with negative numbers. 71% correct	E84 Form algebraic expressions from context. 78% correct	K80d Collect like terms without powers. 94% correct	E79 Substitute values into more general algebraic expressions. 95% correct
Ei, Xuihbb View Attempts (3)	0/1	0/1	1/1	2/3	1/1	1/1	2/2	2/2
Wfhvwfk, Epxlg View Attempts (1)	0/1	0/1	0/1	2/3	0/1	0/1	2/2	2/2
Bowmrbq, Taswadd View Attempts (1)	0/1	0/1	0/1	0/3	0/1	0/1	2/2	2/2
Lkpaq, Xqrcvjj View Attempts (1)	1/1	1/1	0/1	2/3	1/1	1/1	2/2	2/2
Mjmsvk, Lmofyy View Attempts (4)	0/4	0/4	0/3	2/5	1/1	1/1	2/2	2/2
Adryhvo, Slrot View Attempts (2)	1/2	1/2	0/2	2/6	1/2	1/1	2/2	2/2
Wamykdb, Vjdsadj View Attempts (1)	0/1	0/1	1/1	2/3	1/1	1/1	2/2	2/2

You can use the code for the Exam Skill/ Key Skill to set follow up tasks.

'By Question' view

The 'By Question' view shows the percentage of students who got the answer correct and all the incorrect answers submitted. It is anonymous and can be used to review misconceptions with the class.

The screenshot displays the 'By Question' view for 'Algebra review'. The left sidebar contains navigation options: Menu, dfm, Tasks, List, Marksheet, Student Progress, Certificates, Leaderboards, and Feedback. The main content area shows two questions:

Question 2
[WJEC GCSE Autumn 2018 F1 Q14c, Autumn 2018 I1 Q3c]
Calculate the value of $5f + 3g$ when $f = -4$ and $g = 7$.
(2 marks)
CORRECT ANSWER: See full markscheme
1
STUDENT ANSWERS: Report Error
100% correct (1 student)

Question 3
[Edexcel IGCSE(9-1) Jan 2019(R) 2F Q11d]
 $P = 3t^2 + 7t$
Work out the value of P when $t = -4$
(2 marks)
CORRECT ANSWER: See full markscheme
 $P = 20$
STUDENT ANSWERS: Report Error
71% correct (1 student)
11% incorrect (1 student): $P = -76$
6% incorrect (1 student): $P = 116$
3% incorrect (1 student): $P = 10$

A link 'Send feedback for incorrect answers' is visible below the student answers for Question 3. An arrow points from a callout box to this link.

Send a feedback comment to all the students with an incorrect response.

'By Question' view

← Algebra review
All of 7HB

Full Breakdown By Topic By Question



Question 5

K80d Collect like terms without powers. [Review](#)

CORRECT ANSWER:
[See full markscheme](#)

$7g - 2f$

STUDENT ANSWERS:
[Report Error](#)

✓ 74%	$7g - 2f$
✓ 10%	$-2f + 7g$
✓ 3%	$7g + -2f$
✗ 3%	$(10g - 2f) - 3g$
✗ 3%	$7g - 8f$
✗ 3%	$13g - 8f$
✗ 3%	g

[WJEC GCSE Autumn 2016 I1 Q4b]

Simplify the expression $10g - 5f - 3g + 3f$

(2 marks)

[Send feedback for incorrect answers](#)

Algebraically equivalent answers will be recorded as correct.

Generate the QLA for a task

Press the save icon to export to Excel or generate the Question Level Analysis (QLA) for the task.

The screenshot shows a task titled "Algebra review" with a sub-header "All of 7HB". The interface includes navigation tabs for "Full Breakdown", "By Topic", and "By Question". A toolbar contains icons for refresh, save, edit, and delete. A modal window titled "Export to Excel" is open, offering two options: "QLA" and "Full Breakdown". The "QLA" option is described as generating a table for each student detailing skills and marks. The "Full Breakdown" option is described as generating a table resembling the Full Breakdown view. In the background, a table shows student performance across questions Q1 to Q15. The table uses green for correct answers and red for incorrect ones.

	Q1	Q11	Q12	Q13	Q14	Q15
Pk, Kmgran View Attempts (3)	✓	✗	✓	✓	✓	✓
Wfpagsa, Dqdun View Attempts (1)	✓	✗	✓	✓	✓	✗
Pkppaw, Pblecmp View Attempts (1)	✓	✗	✗	✓	✓	✗
Fqcuw, Tauwkr1 View Attempts (1)	✓	✗	✓	✓	✓	✓

Generate the QLA for a task

The QLA is generated for each individual student. The student can then use the associated codes to practice the skills requiring further review. The easiest way for students to do this is by using the search bar.

The screenshot shows the 'dfm' search interface. A search bar contains the code 'k82b'. Below the search bar, a dropdown menu titled 'Skills (1)' is open, showing results for 'KS3/4 -> Algebra' under the category 'Formulae and Simplifying Expressions'. The results list three items, each with an 'Explore' button:

- 82 Divide single algebraic terms. (E82 - Exam Practice: Divide single algebraic terms.)
- K82a - Divide algebraic terms.
- K82b - Divide algebraic terms with powers.

Rasnaam Belludi

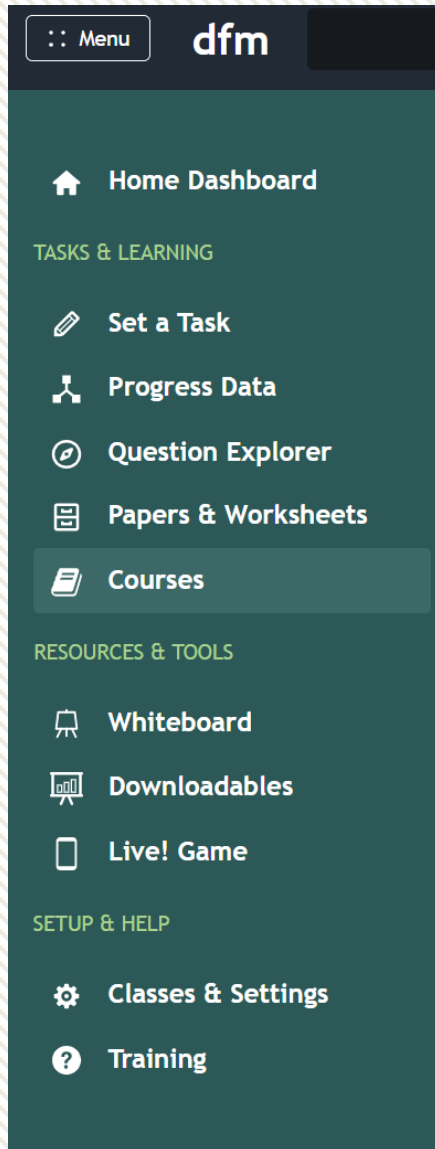
Algebra review

Question	Skills	Score	
Q1	E79 Substitute values into more general algebraic expressions. K79c Substitution with two variables.	1 /	1
Q2	E79 Substitute values into more general algebraic expressions.	1 /	1
Q3	E79 Substitute values into more general algebraic expressions. K79d Substitution with negative numbers.	0 /	1
Q4	E79 Substitute values into more general algebraic expressions.	1 /	1
Q5	E80 Collect like terms. K80d Collect like terms without powers.	1 /	1
Q6	E80 Collect like terms. E83 Expand a single bracket.	0 /	1
Q7	E80 Collect like terms. K80d Collect like terms without powers.	1 /	1
Q8	E81 Multiply single algebraic terms.	1 /	1
Q9	E81 Multiply single algebraic terms.	0 /	1
Q10	E81 Multiply single algebraic terms. K81a Multiply algebraic terms.	1 /	1
Q11	E82 Divide single algebraic terms. K82b Divide algebraic terms with powers.	0 /	1
Q12	E82 Divide single algebraic terms. E201 Simplify single algebraic fractions by cancelling common factors. K82b Divide algebraic terms with powers.	0 /	1
Q13	E84 Form algebraic expressions from context. K84b Form an expression with one variable and two operations.	1 /	1
Q14	E84 Form algebraic expressions from context. K84d Form an expression from the perimeter of a 2D shape.	1 /	1
Q15	E84 Form algebraic expressions from context.	0 /	1
TOTAL		9 /	15

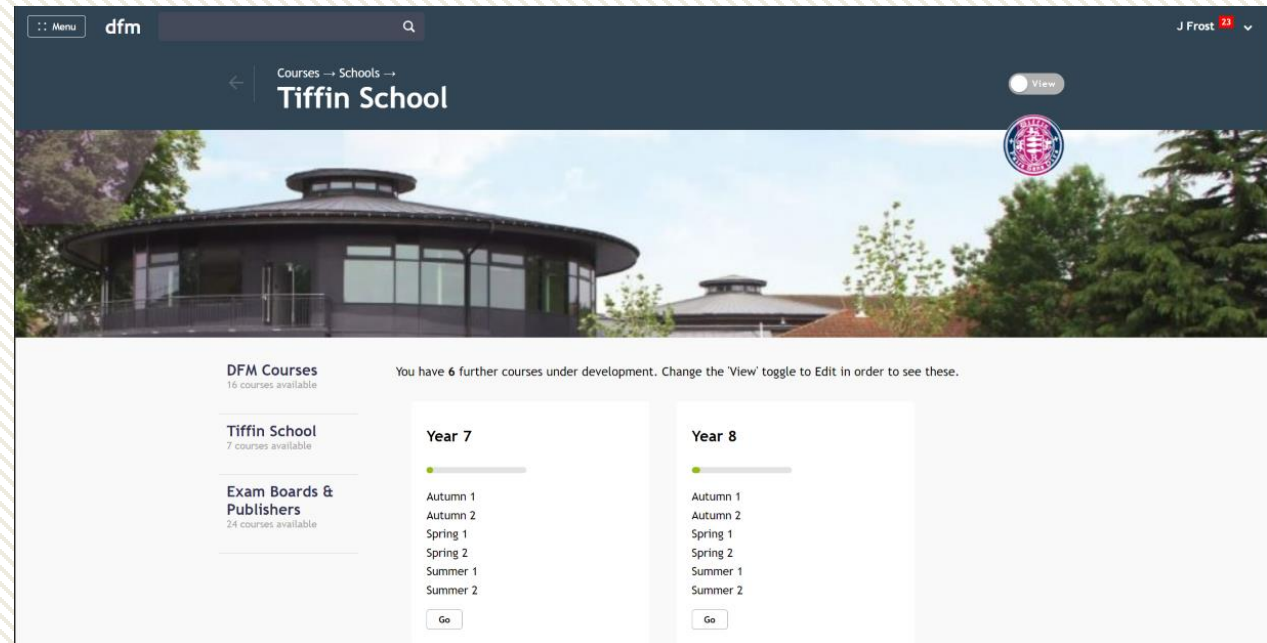
Building and assigning courses

Courses allow teachers and students to follow a sequence of learning from a scheme of work, an exam specification, or a publisher (such as White Rose Maths).

A course allows for Exam Skills, Key Skills, worksheets and Dr Frost lesson PowerPoints to be organised within your desired learning order.



The screenshot shows the left-hand navigation menu of the DFM platform. At the top, there is a 'Menu' button and the 'dfm' logo. Below this, the 'Home Dashboard' is listed with a house icon. The menu is divided into three sections: 'TASKS & LEARNING', 'RESOURCES & TOOLS', and 'SETUP & HELP'. Under 'TASKS & LEARNING', there are links for 'Set a Task', 'Progress Data', 'Question Explorer', and 'Papers & Worksheets'. The 'Courses' link is highlighted with a dark background. Under 'RESOURCES & TOOLS', there are links for 'Whiteboard', 'Downloadables', and 'Live! Game'. Under 'SETUP & HELP', there are links for 'Classes & Settings' and 'Training'.



The screenshot shows the 'Courses' page for 'Tiffin School' in the DFM platform. The page header includes the 'dfm' logo, a search bar, and the user name 'J Frost' with a notification badge. The breadcrumb trail shows 'Courses → Schools → Tiffin School'. A 'View' toggle is visible. Below the header is a large image of a modern building with a circular roof. The main content area displays 'DFM Courses' with 16 courses available. A message states: 'You have 6 further courses under development. Change the 'View' toggle to Edit in order to see these.' Below this, there are three cards: 'Tiffin School' (7 courses available), 'Exam Boards & Publishers' (24 courses available), and two year-specific cards for 'Year 7' and 'Year 8'. Each year card shows a progress bar and a list of terms: Autumn 1, Autumn 2, Spring 1, Spring 2, Summer 1, and Summer 2. A 'Go' button is located at the bottom of each year card.

Assigning a course

This toggle allows teachers to switch between View and Edit mode. Edit Mode is only available for your own school's courses.

dfm

Menu

J Frost 23

Courses → Schools →

Tiffin School

View

DFM Courses
16 courses available

Tiffin School
7 courses available

Exam Boards & Publishers
24 courses available

You have 6 further courses under development. Change the 'View' toggle to Edit in order to see these.

Year 7

Autumn 1
Autumn 2
Spring 1
Spring 2
Summer 1
Summer 2

Go

Year 8

Autumn 1
Autumn 2
Spring 1
Spring 2
Summer 1
Summer 2

Go

DFM Courses are in-house courses, for those not following a specific exam syllabus.

'Your School' will contain courses that your teachers have built.

Exam Boards & Publishers are courses by exam boards (e.g. Edexcel, AQA) and other publishers (e.g. White Rose Maths).

Assigning a course

To assign an exam board/publisher/DFM course to your students, navigate to the course you want to use and press the toggle 'Use?'

dfm

Menu

M McDonagh

Courses → Publishers → OCR

GCSE Foundation

Use?

OCR

OCR 1 Number Operations and Integers

- 1.01 Calculations with integers
- 1.02 Whole number theory
- 1.03 Combining arithmetic operations
- 1.04 Inverse operations

OCR 2 Fractions, Decimals and Percentages

- 2.01 Fractions
- 2.02 Decimal fractions
- 2.03 Percentages
- 2.04 Ordering fractions, decimals and percentages

OCR 3 Indices and Surds

- 3.01 Powers and roots
- 3.02 Standard form
- 3.03 Exact calculations

OCR 4 Approximation and Estimation

- 4.01 Approximation and estimation

OCR 5 Ratio, Proportion and Rates Of Change

- 5.01 Calculations with ratio

OCR 6 Algebra

- 6.01 Algebraic expressions
- 6.02 Algebraic formulae

Assigning a course

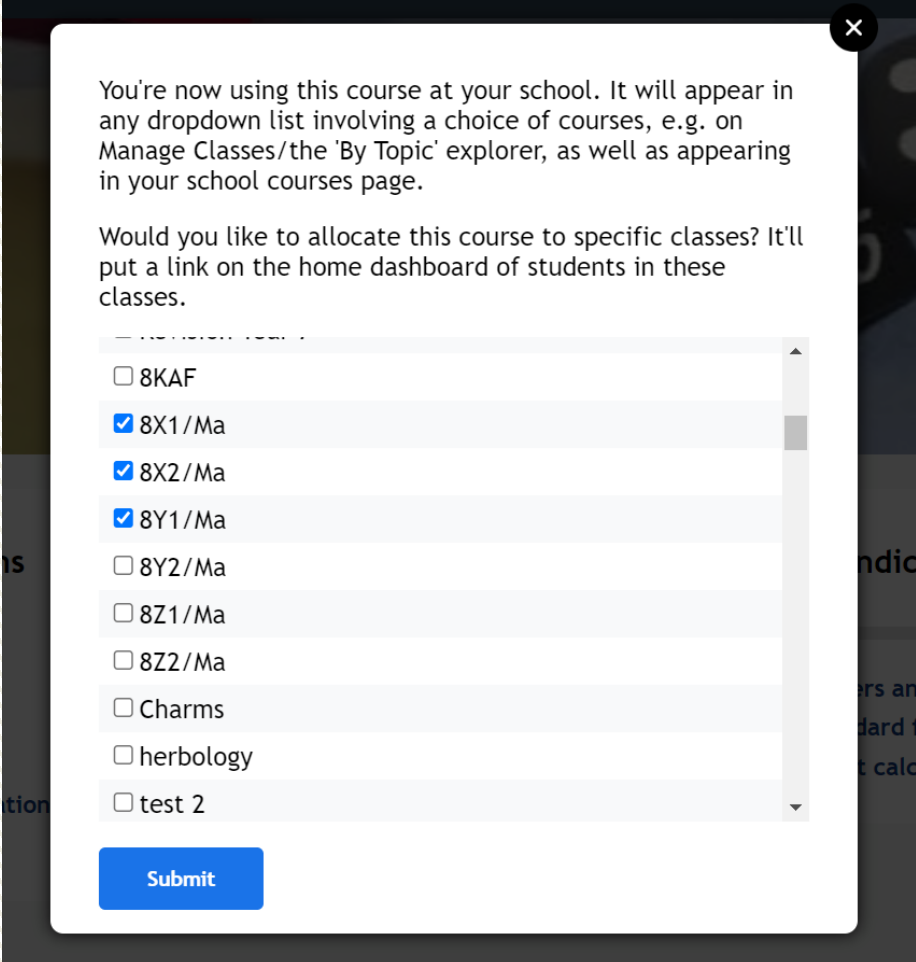
Assign the course to the relevant classes.

The course will now appear on your teacher dashboard and the students' dashboards.

Some benefits of using a course are

- You can browse 'by course' when using the question explorer.
- You can monitor student progress across a course
- Student may find it easier to search for relevant skills to practice when browsing by course.

You can also assign courses to classes from **Settings → Classes & Settings**, but the course must be 'Used' first.



A screenshot of a software interface for assigning a course to classes. The dialog box has a close button (X) in the top right corner. The text inside reads: "You're now using this course at your school. It will appear in any dropdown list involving a choice of courses, e.g. on Manage Classes/the 'By Topic' explorer, as well as appearing in your school courses page." Below this, it asks: "Would you like to allocate this course to specific classes? It'll put a link on the home dashboard of students in these classes." There is a scrollable list of class options, each with a checkbox. The selected options are 8X1/Ma, 8X2/Ma, and 8Y1/Ma. Other options include 8KAF, 8Y2/Ma, 8Z1/Ma, 8Z2/Ma, Charms, herbology, and test 2. A blue "Submit" button is at the bottom.

You're now using this course at your school. It will appear in any dropdown list involving a choice of courses, e.g. on Manage Classes/the 'By Topic' explorer, as well as appearing in your school courses page.

Would you like to allocate this course to specific classes? It'll put a link on the home dashboard of students in these classes.

- 8KAF
- 8X1/Ma
- 8X2/Ma
- 8Y1/Ma
- 8Y2/Ma
- 8Z1/Ma
- 8Z2/Ma
- Charms
- herbology
- test 2

Submit

Building a course

To build a school course to align with a scheme of work, click on your school's courses folder and then click the **View** toggle to change to **Edit**. 'Create a course' will now appear.

DFM Courses
16 courses available

Ravenpuff School
0 courses available

Exam Boards & Publishers
21 courses available

You have 1 further courses under development. Change the 'View' toggle to Edit in order to see these.

:: Year 8

Autumn 1A
Autumn 1B
Spring 1A

Go

+

Create a course

Click 'Create a course' and give the course a name.

Building a course

← Courses → Schools → Ravenpuff School

My New Course

✕ Edit Use?



Change Banner

1



Add a Module

Use this to add a module to your course. A module might represent a half term (e.g. 'Autumn 1') or a strand (e.g. 'Algebra 1').

Skip ← Back Next →

Add the modules for your scheme of work. These could be organised by time frame or content.

Building a course

Courses → Schools → Ravenpuff School

My New Course

Edit Use?

Change Banner

- Term 1A
 - Place Value
 - Decimals
- Term 1B
- Term 2A
- Term 2B
- Term 3A
- Term 3B

Click **+Add Unit** and populate each module with the relevant units. If you need to change the teaching order, drag the units/modules into a new position. (Note, you cannot change the order of units within a module once you have clicked inside the module).

Building a course

Click into a module to add content to each unit.

Ravenpuff School → My New Course → Term 1A →

Decimals

← Edit

Change Banner

Term 1A

Place Value
0 skills

Decimals
0 skills

+Unit

This unit does not have any content. If this is your school's course, teachers toggle to change to 'Edit'.

Put any introductory information about this unit here. Click to update.

+Add Resource

Include links to DFM-produced downloadable resources related to this unit.

+Add Skill

Revision

Select all Key Skills
Select all Exam Practice

You may wish to include intended learning outcomes for the unit.

You can add additional units to your module by clicking this button.

Click the +Add Resources. You will be given the option to include Dr Frost lesson PowerPoints, worksheets you have created or Dr Frost worksheet collections. You can also add external links to other webpages.

Building a course

Ravenpuff School → My New Course → Term 1A →

Decimals

Change Banner

Term 1A

Place Value
0 skills

Decimals
0 skills

+Unit

This unit does not have any content. If this is your school's course, teachers should click the 'View' toggle to change to 'Edit'.

Put any introductory information about this unit here. Click to update.

+Add Resource

Include links to DFM-produced downloadable resources related to this unit.

+Add Skill

Revision

Select all Key Skills
Select all Exam Practice

Click + Add Skill. Search for skills in the usual way. You can add more than one skill at a time. Note that the skills will appear in numerical order, not in the order you select them.

If you wish for skills to appear in a different order, we suggest adding more units and breaking the content down further.

Building a course



Ravenpuff School → My New Course → Term 1A →

Expanding brackets



Edit

Place Value

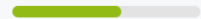
0 skills

Decimals

0 skills

Expanding brackets

1 skills



+Unit

+Add Skill

179 Expand two brackets.

Mastery: 58/100

Set a Task

Generate Worksheet

Exclude any subskills that are not relevant to your scheme of work. Press the 'Example' button to check for the relevance/difficulty of the questions.

OR NARROW DOWN

		VIDEO	DIFFICULTY	EXCLUDE?
<input type="checkbox"/> E179: Exam Practice: Expand two brackets.	Browse		1-4	<input type="checkbox"/> No
<input type="checkbox"/> K179a: Expand two brackets in the form $(x - a)(x + a)$.	Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$	Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179c: Expand an expression in the form $(x + a)^2$.	Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179d: Expand two brackets in the form $(ax + b)(cx + d)$.	Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179e: Expand a pair of brackets containing up to three terms.	Example		3	<input type="checkbox"/> No
<input type="checkbox"/> K179f: Expand expressions of the form $(ax + b)(cx + d) - (ex + f)(gx + h)$.	Example		4	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/> K179g: Expand double brackets with subsequent simplification required.	Example		4	<input checked="" type="checkbox"/> Yes

Building a course



Ravenpuff School → My New Course → Term 1A →

Expanding brackets



Edit

Place Value

0 skills

Decimals

0 skills

Expanding brackets

1 skills



+Unit

+Add Skill

179 Expand two brackets.

Mastery: 58/100

Set a Task

Generate Worksheet

Exclude any subskills that are not relevant to your scheme of work. Press the 'Example' button to check for the relevance/difficulty of the questions.

OR NARROW DOWN

	VIDEO	DIFFICULTY	EXCLUDE?
<input type="checkbox"/> E179: Exam Practice: Expand two brackets. Browse		1-4	<input type="checkbox"/> No
<input type="checkbox"/> K179a: Expand two brackets in the form $(x - a)(x + a)$. Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$ Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179c: Expand an expression in the form $(x + a)^2$. Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179d: Expand two brackets in the form $(ax + b)(cx + d)$. Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179e: Expand a pair of brackets containing up to three terms. Example		3	<input type="checkbox"/> No
<input type="checkbox"/> K179f: Expand expressions of the form $(ax + b)(cx + d) - (ex + f)(gx + h)$. Example		4	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/> K179g: Expand double brackets with subsequent simplification required. Example		4	<input checked="" type="checkbox"/> Yes

Building a course

When your course is ready toggle 'Edit' back to 'View'. You can now toggle 'Use?' and assign to the relevant classes.

Courses → Schools → Ravenpuff School

My New Course

Change Banner

Term 1A

Term 1B

Term 2A

Place Value

Decimals

Expanding brackets

Use?

Edit

+Add Unit

+Add Unit

+Add Unit

Student progress: by topic/course

 Home Dashboard

TASKS & LEARNING

 Set a Task

 Progress Data

 Question Explorer

 Papers & Worksheets

 Courses

RESOURCES & TOOLS

 Whiteboard

 Downloadables

 Live! Game

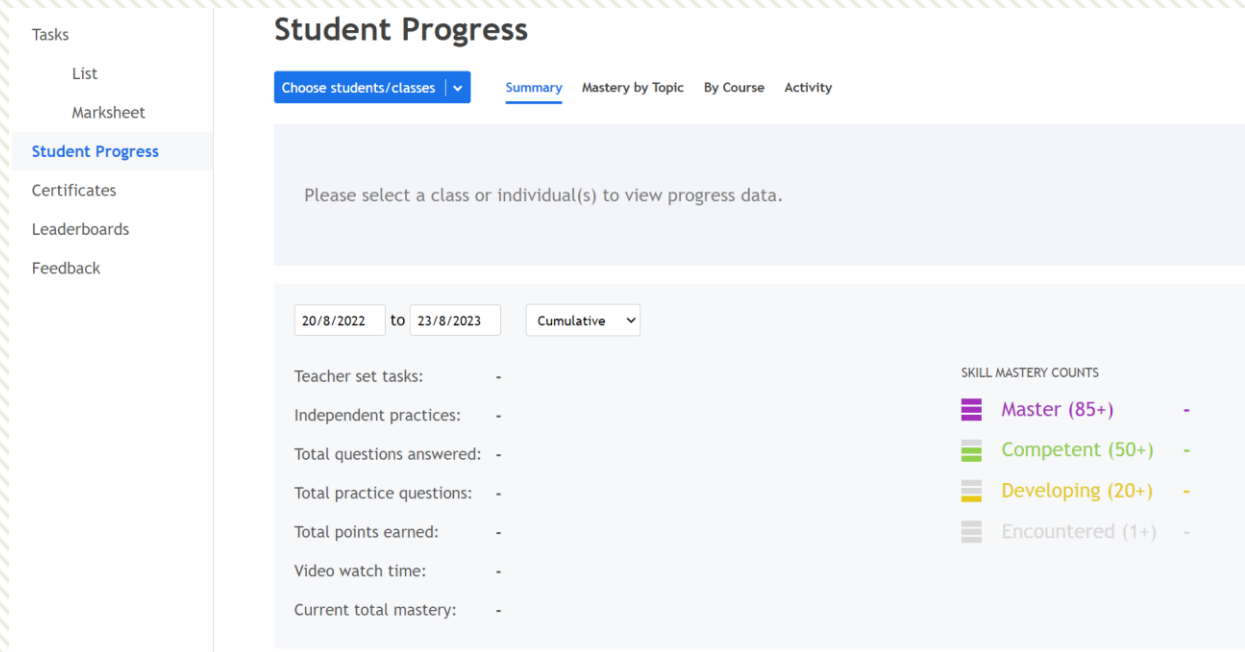
SETUP & HELP

 Classes & Settings

 Training

Use the left **Menu** -> **Progress Data** or click 'View Student Progress' from the dashboard.

Select 'Student Progress' and the relevant class.



The screenshot shows the 'Student Progress' page. On the left is a navigation menu with options: Tasks, List, Marksheet, Student Progress (highlighted), Certificates, Leaderboards, and Feedback. The main content area is titled 'Student Progress' and has tabs for 'Choose students/classes', 'Summary' (selected), 'Mastery by Topic', 'By Course', and 'Activity'. Below the tabs is a message: 'Please select a class or individual(s) to view progress data.' There are date range selectors for '20/8/2022 to 23/8/2023' and a 'Cumulative' dropdown. A table of 'SKILL MASTERY COUNTS' is shown with columns for 'Teacher set tasks', 'Independent practices', 'Total questions answered', 'Total practice questions', 'Total points earned', 'Video watch time', and 'Current total mastery', all with dashes. The skill categories are: Master (85+), Competent (50+), Developing (20+), and Encountered (1+).

Viewing progress by mastery/course

The Summary view is useful for seeing aggregate activity stats for a class/student over a period.

Tasks

List

Marksheet

Student Progress

Certificates

Leaderboards

Feedback

Student Progress

11X1/Ma | Summary | Mastery by Topic | By Course | Activity

20/8/2022 to 23/8/2023

Cumulative
Cumulative
By Individual

Teacher set tasks: 12

Independent practices: 844

Total questions answered: 11,313

Total practice questions: 6,048

Total points earned: 34,967

Video watch time: 0 mins

55

Competent (50+) 204

Developing (20+) 712

Encountered (1+) 2370

STUDENT	TOTAL QS	PRACTICE QS	POINTS	VIDEO	MASTERY				
Vprun, Osbu	150	9	434	0 mins	913	62	6	2	0
Nvelgq, Sgoa	246	70	812	0 mins	1,585	80	19	3	0
Hccindb, Ltiyzxv	650	509	2412	0 mins	4,601	56	12	4	34
Otasal, Onuftde	192	60	568	0 mins	1,212	55	17	2	0
ADUPAMHW-AZSYR, Ywvmb	275	79	1039	0 mins	2,092	104	23	4	0
RJQDVOG, Gaeczz	179	0	661	0 mins	1,428	81	17	1	0
npekxdnvamhy, Vzsvzcr	631	405	2183	0 mins	4,624	80	56	20	2

By switching to 'By Individual', you can also see statistics by individual within your selection.

Viewing progress by mastery/course

The **Mastery by Topic** view allows you to search for a topic and view each student's mastery with the skills in that topic. Use the drop downs to navigate to your desired topic.

Student Progress

11X1/Ma | Summary | **Mastery by Topic** | By Course | Activity

Current Timeline

KS3/4 | Shape, Space & Measures | Circle Theorems

Circle Theorems

306 Understand and apply all circle theorems. | 238 Further terms in relation to circles, including chord and segment. | 307 Use the Intersecting Chord and Intersecting Secant theorems.

Student ID	306 Understand and apply all circle theorems.	238 Further terms in relation to circles, including chord and segment.	307 Use the Intersecting Chord and Intersecting Secant theorems.
Sqqsxy, Wbty	8	8	
Rmxxvc, Uqhb	8	8	
Aqchydw, Rzjlrjg	199	100	100
Ytip 01F7/Eo Xubjyej,			
Okkkur, Pxvqoxh			
FTFUZRSQ-UWAAX, Umcwm	33	33	
HPYOGZF, Fqqifv	25	25	
bdezuxxoubvt, Bpcjzgm	116	83	33
Upx, Kdrfnn	8	8	
Xqbegjo, Jlnnhzirq	42	42	
Uagg, Rtkvw	17	17	
Kusu, Yeao	25	25	
Pre, Nfcao	33	33	
Geqpiwycgg, Tbejjf	8	8	

Remember, student mastery goes up or down with each piece of assigned work or independent practice they undertake on the associated skill.

Viewing progress by mastery/course

If you have assigned a course to your class, you'll also be able to see mastery by course/module/unit.

9X1/Ma | v

Summary Mastery by Topic By Course Activity

Current Timeline

Year 9

Autumn 1

Factorising Quadratics

Factorising Quadratics

178 Factorise out a single term.

193 Factorise quadratics of the form $x^2 + bx + c$.

195 Factorise a quadratic where the coefficient of the x^2 term is not 1.

194 Factorise the difference of two squares.

196 Factorise more difficult non-quadratic expressions, e.g. combining factorisation techniques or requiring factorisation of a bracketed term.

	299	66	75	58	83	17
Zklirdo, Dzhdm	299	66	75	58	83	17
Woopt, Zgeg	116	8	50	50		8
Dhtfrfvgiizd, Tfcpewl	91	8	42	33	8	
Cqsilmigxdzngk, Hcks	183	17	58	66	25	17
Vzhtjzg, Indqyt	58	8	33	17		
Tzse 0U8/Ek Pmrdrvj,						
Cncmwydzna, Oposqcc	100		42	50	8	
Dtacg, Ldlhgi	91	33	33	25		
Tcdrndtrk, Fqhoo	399	42	83	83	100	91

Viewing progress by activity

Finally, use **Activity** to see a timeline of all student activity, including independent practice.

11X1/Ma | v

Summary Mastery by Topic By Course Activity

20/8/2022

to

3/11/2022

All Activity v

You can change to 'Independent work' if you wish to monitor only this.

STUDENT	TASK	TIME TAKEN	WHEN	SCORE
Ywi, Lskp	Senior Maths Challenge 2012 Independent Practice	27 mins	3 hours ago	2/2
lcvj, Jzypq	E261 Exam Practice: Determine probabilities from Venn Diagrams, E219 Exam Practice: Construct Venn Diagrams, Independent Practice	8 mins	5 hours ago	6/10
Canh, Afnee	E284 Exam Practice: Understand the effect of the transformations $y = f(x + a)$ and $y = f(x) + a$ on simple functions, E285<... Independent Practice	39 mins	5 hours ago	5/10

Viewing progress by activity

11X1/Ma | v

Summary Mastery by Topic By Course Activity

20/8/2022

to

3/11/2022

All Activity v

STUDENT	TASK	TIME TAKEN	WHEN	SCORE
Ywi, Lskp	Senior Maths Challenge 2012 Independent Practice	27 mins	3 hours ago	2/2
Icvj, Jzypq	E261 Exam Practice: Determine probabilities from Venn Diagrams, E219 Exam Practice: Construct Venn Diagrams, Independent Practice	8 mins	5 hours ago	6/10
Canh, Afnee	E284 Exam Practice: Understand the relationship between $y = f(x) + a$ on simple functions, Independent Practice			

Clicking any row will open the task attempt. Here you will be able to view the questions the student answered and leave feedback in the usual way.

← **Cypo Rae** Senior Maths Challenge 2012 Attempt 1/1 v Unassign Task Mark as Incomplete


Question 1 20 mins ✓ [SMC 2012 Q1] Which of the following cannot be written as the sum of two prime numbers?

CORRECT ANSWER: See full markscheme
11

STUDENT ANSWER: Report Error
11

Write a new comment

Question 2 8 mins ✓ [SMC 2012 Q2] The diagram shows an equilateral triangle, a square and a regular pentagon which all share a common vertex. What is the value of θ ?



CORRECT ANSWER: See full markscheme
 $\theta = 102^\circ$

STUDENT ANSWER: Report Error
 $\theta = 102^\circ$

Leaderboards

Use the left Menu -> Progress Data and select 'Leaderboards'.

The screenshot shows the 'Leaderboards' page. On the left, a sidebar menu has 'Progress Data' selected, with 'Leaderboards' highlighted below it. The main content area is titled 'Leaderboards' and features a dropdown menu set to 'Whole School', a 'Sort by mastery' dropdown, and a 'Use date range' link. Below these is a table with the following data:

RANK	STUDENT	TOTAL MASTERY [?]	TOTAL POINTS [?]
1	Hfwph JMZFX (8X1/Ma)	9927	9204
2	Kcbydx RWAD (7RXH)	8865	18059
3	Scwpcwt Iq-Siwai (11Y2/Ma)	4467	12568
4	Kacw Aspz (11X1/Ma)	4241	13118
5	Eytpm Srcqajvq (11X1/Ma)	4210	4799
6	Nanj ZWLCIUH	3588	31681

You can select the whole school, a whole year group or a specific class.

Leaderboards

Tasks

List

Marksheet

Student Progress

Certificates

School Stats

Leaderboards

Feedback

Leaderboards

Whole School ▾

Sort by mastery ▾

Use date range



RANK	STUDENT	TOTAL MASTERY [?]	TOTAL POINTS [?]
1	Hfwph JMZFX (8X1/Ma)	9927	9204
2	Kcbydx RWAD (7RXH)	8865	18059
3	Scwpcwt Iq-Siwai (11Y2/Ma)	4467	12568
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5	Eytpm Srcqajvq (11X1/Ma)	4210	4799
6	Nanj ZWLCIUH	3588	31681

You can specify a date range. If a date range is used then 'Total Mastery' will not be displayed.

Export the current leaderboard to Excel.

Generate a shadow paper

Open any saved worksheet. This could be a Past Paper or one of your own worksheets. Under the 'More Options' menu, choose **Generate Shadow Paper**.

The screenshot shows the DFM website interface. At the top, there is a navigation bar with a menu icon, the 'dfm' logo, a search bar, and the user name 'J Frost' with a notification badge '23'. Below the navigation bar, the breadcrumb trail reads '/ DFM / Past Papers / Pearson Edexcel / IGCSE 9-1 Foundation'. The main title of the page is 'Edexcel IGCSE(9-1) January 2019(R) 2F'. To the right of the title are buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. Below the title, there are tabs for 'View' and 'Edit'. On the right side, there is a 'More Options' dropdown menu that is open, showing three options: 'Delete Worksheet', 'Generate Shadow Paper' (which is highlighted in blue), and 'Try as a student'. The main content area displays 'Question 1' with a progress indicator '1 2 3 4' where '2' is selected. The question text is '[Edexcel IGCSE(9-1) Jan 2019(R) 2F Q1a]' and asks to 'Put these decimals in order of size. Start with the smallest decimal.' The question is worth '(1 mark)'. There are five input fields, each containing a decimal number: '7.831', '7.04', '7.002', '7.9', and '7.013'. At the bottom left of the question area is a green 'Submit Answer' button.

Generate a shadow paper

The template will populate with questions, replacing the original question with a close matching alternative. A close match will be offered where a Key Skill within the original question can be identified. For more uncommon questions, the skill (not a Key Skill) is identified, and an exam question on the relevant skill is used.

Question 1 ×

Skill: K18d Order decim...

Question 2 ×

Skill: K31e Convert a p...

Question 3 ×

Skill: K31c Convert a n...

Question 4 ×

Skill: K31d Convert a n...

Question 5 ×

Skill: E22 Multiply dec...

Question 1 1 2 3 4 ↻ ×

Put the following numbers in order, starting with the smallest.

Question 2 1 2 3 4 ↻ ×

Write

80%

Question 3 1 2 3 4 ↻ ×

Convert

0.16

Question 4 1 2 3 4 ↻ ×

Convert

0.2

to a percentage.

%

Question 5 1 2 3 4 ↻ ×

[IMC 2019 Q5] The answers to the three calculations below are to be written in descending order.

X $0.6 \times 0.5 + 0.4$

Y $0.6 \times 0.5 \div 0.4$

Z $0.6 \times 0.5 \times 0.4$

What is the correct order?

Question 6 1 2 3 4 ↻ ×

[OCR GCSE June 2016 2F Q3a]

Choose a value from each list to complete the following sentences.

The weight of a tin of soup is about.....

(1 mark)

If an exam question has been identified but it is not a close enough match, use the refresh icon to generate a different exam question.



Generate a shadow paper

dfm No saved location **Edexcel IGCSE...** **Generate**

New Worksheet **Set as Task** **Save** **Save As** **Download**

Save Options

View Edit

Question 1 Skill: **K18d Order decim...**

Question 2 Skill: **K31e Convert a p...**

Question 3 Skill: **K31c Convert a n...**

Question 4 Skill: **K31d Convert a n...**

Question 5 Skill: **E22 Multiply dec...**

Question 1 Put the following numbers in order, starting with the smallest.

- 22.463
- 22.404
- 22.7799
- 22.6

Question 2 Write 80% as a decimal.

Question 3 Convert 0.16 to a fraction. Give your answer in its simplest form.

Question 6 OCR GCSE June 2016 2F Q3aJ

Choose a value from each list to complete the following sentences.

The weight of a tin of soup is about.....

(1 mark)

three calculations below are to be written in descending order.

- X $0.6 \times 0.5 + 0.4$
- Y $0.6 \times 0.5 \div 0.4$
- Z $0.6 \times 0.5 \times 0.4$

What is the correct order?

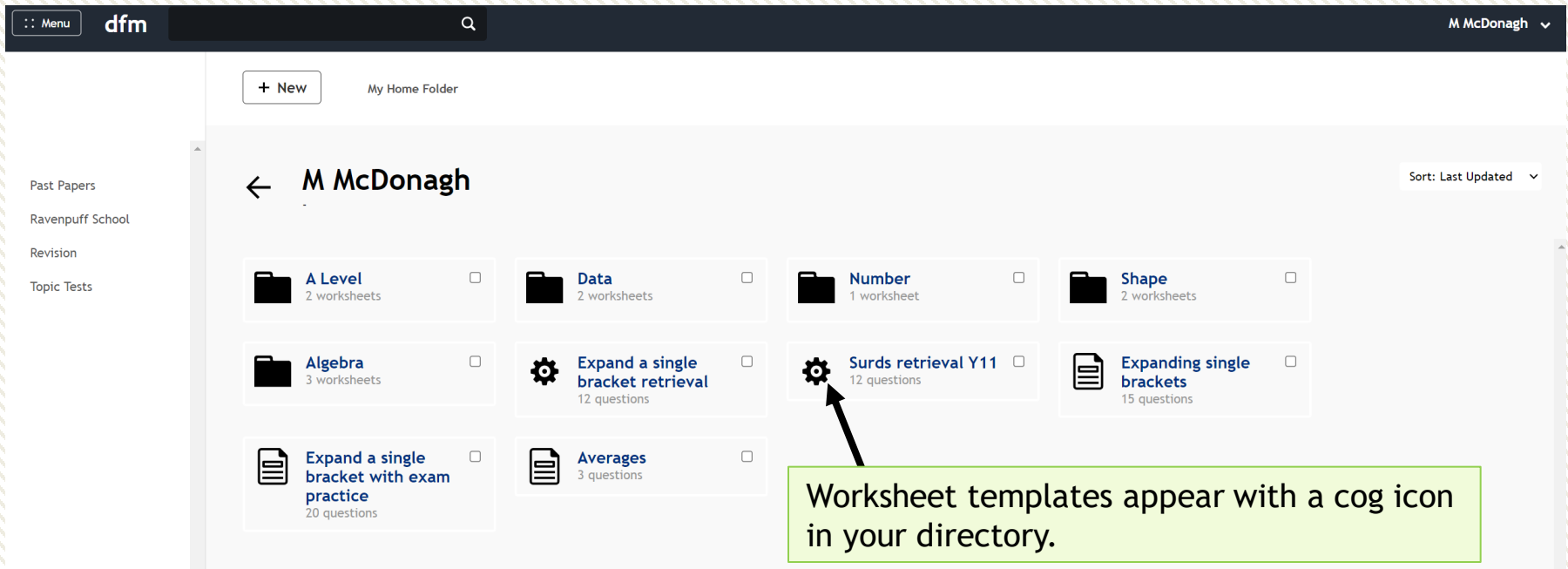
0.2 to a percentage.

You will need to save the shadow paper as a new worksheet before clicking 'Set a Task'.

To further improve the exam question selection, click on the exam code and filter to your chosen exam board and difficulty level.

Create a worksheet template

You can create a random collection of questions, with Exam Skills and/or Key Skills, which you can regenerate whenever you need a new set of questions. A great feature for retrieval practice!



The screenshot shows a user interface for a digital workspace. At the top, there is a dark navigation bar with a 'Menu' button, the user's initials 'dfm', a search icon, and the user's name 'M McDonagh'. Below this, a sidebar on the left lists 'Past Papers', 'Ravenpuff School', 'Revision', and 'Topic Tests'. The main area displays a directory for 'M McDonagh' with a 'Sort: Last Updated' dropdown. The directory contains several items:

- A Level**: 2 worksheets (folder icon)
- Data**: 2 worksheets (folder icon)
- Number**: 1 worksheet (folder icon)
- Shape**: 2 worksheets (folder icon)
- Algebra**: 3 worksheets (folder icon)
- Expand a single bracket retrieval**: 12 questions (cogwheel icon)
- Surds retrieval Y11**: 12 questions (cogwheel icon)
- Expanding single brackets**: 15 questions (document icon)
- Expand a single bracket with exam practice**: 20 questions (document icon)
- Averages**: 3 questions (document icon)

A callout box with a green border and black text points to the 'Surds retrieval Y11' item, stating: "Worksheet templates appear with a cog icon in your directory."

Create a worksheet template

From Menu → Question Explorer, select the skills or subskills you require then click the **Generate Worksheet** button (or the **Set a Task** button then choose the 'Fixed Questions' option.)

- Home Dashboard
- TASKS & LEARNING
 - Set a Task
 - Progress Data
 - Question Explorer**
 - Papers & Worksheets
 - Courses
- RESOURCES & TOOLS
 - Whiteboard
 - Downloadables
 - Live! Game
- SETUP & HELP
 - Classes & Settings
 - Training

☰ 313 Simplify surds.
Mastery: 0/100

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input checked="" type="checkbox"/> E313: Exam Practice: Simplify surds.	Browse		1-4
<input type="checkbox"/> K313a: Simplify a surd.	Example		1
<input type="checkbox"/> K313b: Simplify a multiple of a surd.	Example		2
<input type="checkbox"/> K313c: Write a surd in the form \sqrt{a} .	Example		3

☰ 314 Multiply and divide surds.
Mastery: 0/100

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input checked="" type="checkbox"/> E314: Exam Practice: Multiply and divide surds.	Browse		1-4
<input type="checkbox"/> K314a: Multiply two surds.	Example		1
<input type="checkbox"/> K314b: Multiply two surds that require simplifying.	Example		2
<input type="checkbox"/> K314c: Divide two surds.	Example		2
<input type="checkbox"/> K314d: Divide two surds that require simplifying.	Example		2
<input checked="" type="checkbox"/> K314e: Expand a single bracket with surds.	Example		2
<input checked="" type="checkbox"/> K314f: Expand two brackets involving surds in the form $(a + \sqrt{b})(c + \sqrt{b})$.	Example		3
<input type="checkbox"/> K314g: Expand two brackets with surds, where subsequent simplification of surds required.	Example		3
<input checked="" type="checkbox"/> K314h: Expand two brackets involving multiples of surds.	Example		3

Your selection

- E313 Exam Practice: Simplify surds.
- E314 Exam Practice: Multiply and divide surds.
- K314f Expand two brackets involving surds in the form $(a + \sqrt{b})(c + \sqrt{b})$.

Set a Task

Generate Worksheet

Have a Go

Create a worksheet template

Generate Worksheet

E313: Exam Practice: Simplify surds.
E314: Exam Practice: Multiply and divide surds.
K314f: Expand two brackets involving surds in the form $(a + \sqrt{b})(c + \sqrt{b})$.
K314e: Expand a single bracket with surds.
K314h: Expand two brackets involving multiples of surds.

This facility, using the skills you selected, allows you to create a fixed set of questions that you can either **set as a homework/assessment** or **export to Word** as a worksheet.

Num Questions: 3 of each subskill (15 total) ▾

Interleave Skills: Yes ▾ ?

Generate

Decide how many questions on each subskill you want to have in your template and whether you want the skills to interleave.

Create a worksheet template

The screenshot shows the 'dfm' software interface. At the top, there is a navigation bar with a 'Menu' icon, the 'dfm' logo, a search icon, and the user name 'M McDonagh'. Below this, the main interface is divided into a left-hand sidebar and a main workspace. The sidebar contains a 'New Template' section with a 'Generate' button and a 'Save Options' dropdown menu. The dropdown menu is open, showing 'Save Template' and 'Save Template As' options. The main workspace is titled 'New Worksheet' and contains several question cards. Each card has a title, a skill level, a board, a difficulty level, and a calculator setting. The questions are: Question 1 (Skill: E313 Simplify su..., Board: Exam Questions Only, Difficulty: 1-3, Calculator?: Unspecified), Question 2 (Skill: E314 Multiply an..., Board: Edexcel—GCSE Higher, Difficulty: 3-4, Calculator?: No), Question 3 (Skill: K314f Expand two..., Difficulty: 1-2-3-4), Question 4 (Skill: K314e Expand a s..., Difficulty: 1-2-3-4), Question 5 (Skill: K314f Expand two..., Difficulty: 1-2-3-4), Question 6 (Skill: K314f Expand two..., Difficulty: 1-2-3-4), Question 7 (Skill: K314f Expand two..., Difficulty: 1-2-3-4), and Question 8 (Skill: K314f Expand two..., Difficulty: 1-2-3-4). The questions are displayed in a grid layout. The top right of the main workspace has buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. The bottom right of the main workspace has a 'More Options' dropdown menu.

Use the drop down to 'Save Template As'. You can save it in your own teacher directory or in the school shared folder.

You can change the settings on the left-hand template. E.g. filter the questions to a specific exam board, specify a difficulty level, or whether a calculator is allowed.

Create a worksheet template

The screenshot shows the DFM (Dr Frost Learning) interface. At the top, there is a navigation bar with 'dfm', a search icon, and the user name 'M McDonagh'. Below this, the breadcrumb trail reads '/ DFM / Bogwarts School 2 / Individuals / M McDonagh'. The main title is 'Surds retrieval practice'. A blue 'Generate' button is visible in the top left. The sidebar on the left contains four question settings:

- Question 1**: Skill: E313 Simplify su..., Board: Exam Questions Only, Difficulty: 1-3, Calculator?: Unspecified
- Question 2**: Skill: E314 Multiply an..., Board: Exam Questions Only, Difficulty: 3-4, Calculator?: No
- Question 3**: Skill: K314f Expand two...
- Question 4**: Skill: K314e Expand a s...

The central area contains the following text:

No saved location

Specify the requirements for each question using the template generator on the left. When you're done, use the **Generate** button to generate a random worksheet.

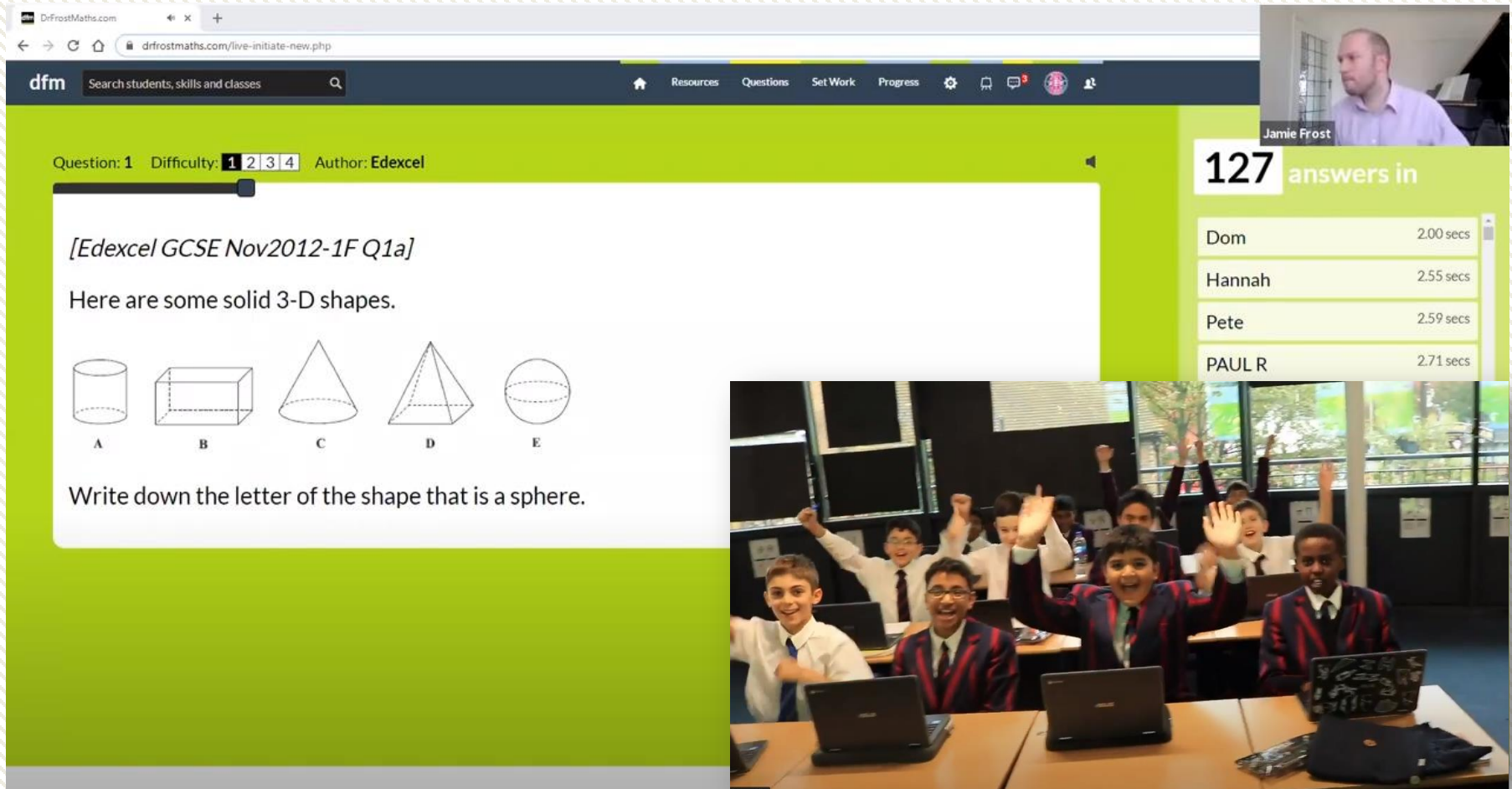
You can then save and set this worksheet as homework in the usual way.

Once saved, every time you access the template from your worksheet directory, the worksheet will be empty. Press '**Generate**' to populate the worksheet with questions.

You will need to save the worksheet created from the template before you can set it to your class.

Live! Game

A Live! game is designed for a classroom environment. Questions are presented on the board one-by-one. Students use their mobile phones or tablet devices to enter their answers.



The screenshot shows the Dr Frost Maths website interface. At the top, there is a navigation bar with 'dfm' and a search bar. Below this, the question details are displayed: 'Question: 1 Difficulty: 1 2 3 4 Author: Edexcel'. The question text reads: '[Edexcel GCSE Nov2012-1F Q1a] Here are some solid 3-D shapes.' Below the text are five diagrams labeled A through E: A (cylinder), B (rectangular prism), C (cone), D (square-based pyramid), and E (sphere). The question asks: 'Write down the letter of the shape that is a sphere.' On the right side, a video feed shows Jamie Frost. Below the video, a scoreboard shows '127 answers in' and a list of student names with their response times: Dom (2.00 secs), Hannah (2.55 secs), Pete (2.59 secs), and PAUL R (2.71 secs). At the bottom right, there is a photo of a classroom full of students in school uniforms, many with their hands raised in excitement, sitting at desks with laptops.

Live! Game

A Live! game can be played from a saved worksheet, or the teacher can select Key Skill and/or Exam Practice from the question explorer and start a Live! Game immediately.

To play from a saved worksheet, go to **Menu-> Past Papers/Worksheets** and open a worksheet. Click the **Set a Task** button and choose 'Live Task'.

Home Dashboard

TASKS & LEARNING

- Set a Task
- Progress Data
- Question Explorer
- Papers & Worksheets**
- Courses

RESOURCES & TOOLS

- Whiteboard
- Downloadables
- Live! Game

SETUP & HELP

- Classes & Settings
- Training

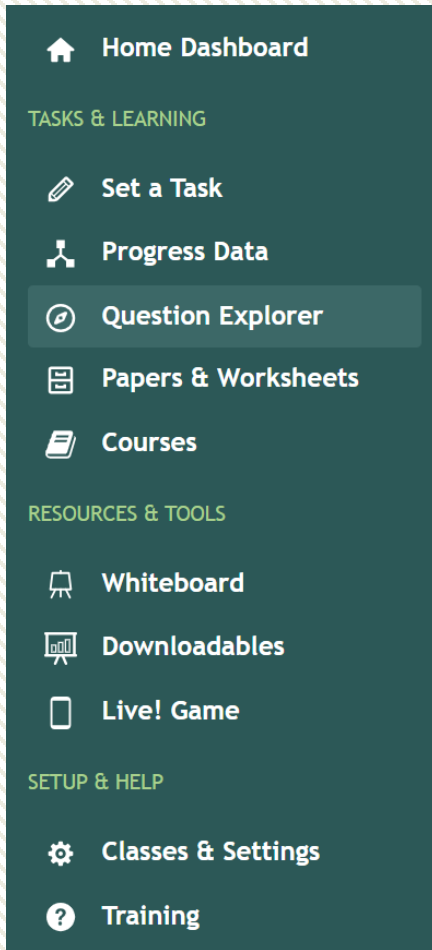
Normal task
Students complete questions at their own pace, either as homework or as a class task.

Live! task
Students play along with their mobile/tablet device. Students all answer a question at the same time, with the game controlled by the teacher.

Continue

Live! Game

To play a Live! Game immediately from your Key Skill and/or Exam Skill selection, go to **Menu -> Question Explorer**. Select the subskills you want to be used and press **'Set a Task'** and then choose **'Live! Game'**.



Home Dashboard

TASKS & LEARNING

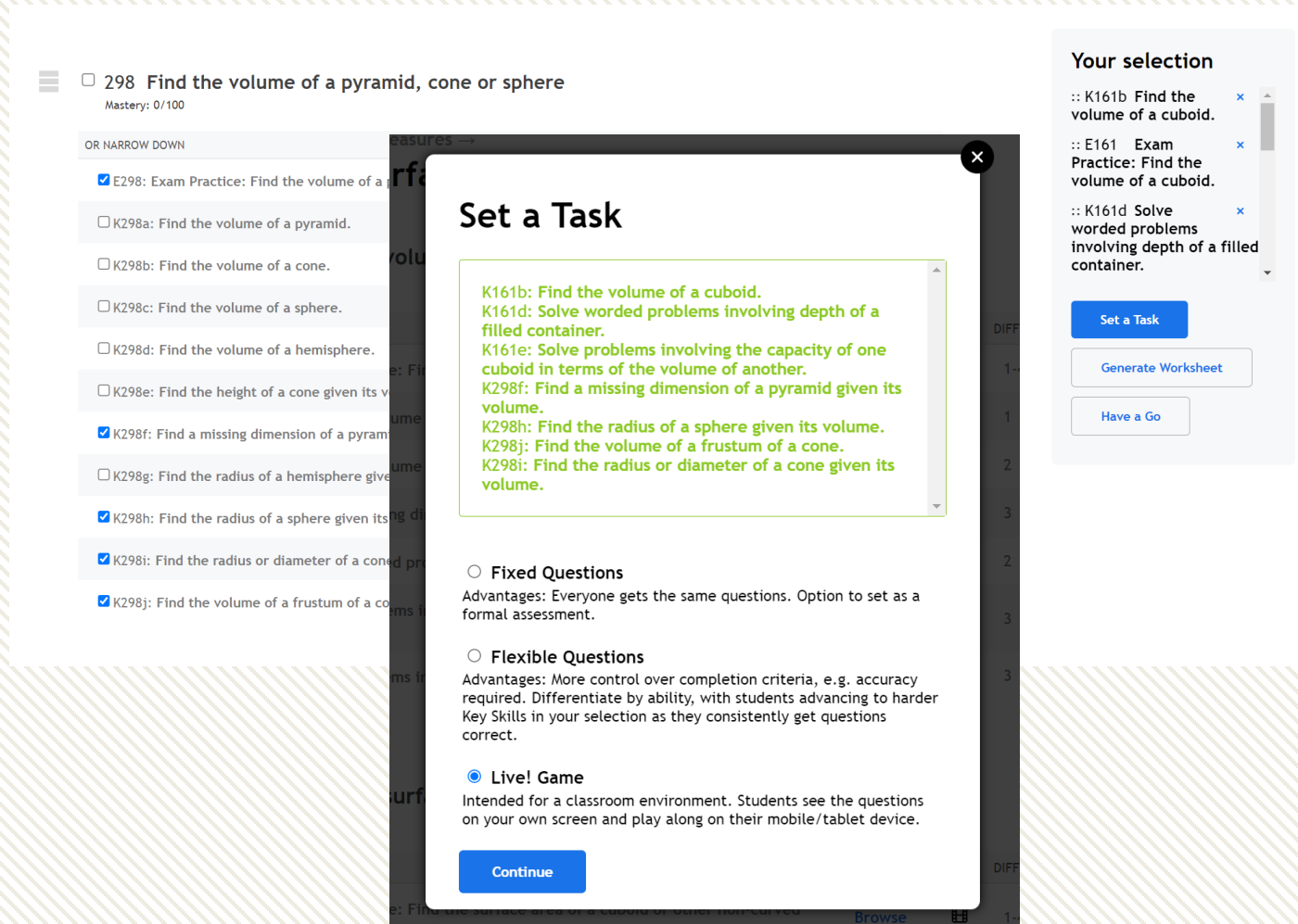
- Set a Task
- Progress Data
- Question Explorer
- Papers & Worksheets
- Courses

RESOURCES & TOOLS

- Whiteboard
- Downloadables
- Live! Game

SETUP & HELP

- Classes & Settings
- Training



298 Find the volume of a pyramid, cone or sphere
Mastery: 0/100

OR NARROW DOWN

- E298: Exam Practice: Find the volume of a
- K298a: Find the volume of a pyramid.
- K298b: Find the volume of a cone.
- K298c: Find the volume of a sphere.
- K298d: Find the volume of a hemisphere.
- K298e: Find the height of a cone given its v
- K298f: Find a missing dimension of a pyramid
- K298g: Find the radius of a hemisphere give
- K298h: Find the radius of a sphere given its
- K298i: Find the radius or diameter of a cone
- K298j: Find the volume of a frustum of a cone

Set a Task

K161b: Find the volume of a cuboid.
K161d: Solve worded problems involving depth of a filled container.
K161e: Solve problems involving the capacity of one cuboid in terms of the volume of another.
K298f: Find a missing dimension of a pyramid given its volume.
K298h: Find the radius of a sphere given its volume.
K298j: Find the volume of a frustum of a cone.
K298i: Find the radius or diameter of a cone given its volume.

Fixed Questions
Advantages: Everyone gets the same questions. Option to set as a formal assessment.

Flexible Questions
Advantages: More control over completion criteria, e.g. accuracy required. Differentiate by ability, with students advancing to harder Key Skills in your selection as they consistently get questions correct.

Live! Game
Intended for a classroom environment. Students see the questions on your own screen and play along on their mobile/tablet device.

Continue

Your selection

- K161b Find the volume of a cuboid.
- E161 Exam Practice: Find the volume of a cuboid.
- K161d Solve worded problems involving depth of a filled container.

Set a Task

Generate Worksheet

Have a Go

Live! Game

Select an option for participants

This allows you to control whether login is required to join the game, and whether participants are allowed to use a custom nickname.

Select a class

- DFM login required (no nicknames)
- DFM login required (nicknames allowed)
- Guests allowed
- Select a class**

In the normal mode, the fastest correct answer gets 1000 points, with a minimum of 500 for a correct answer.

Faster answers get more points

What appears on student screens?

If you're doing the game remotely, choose for the question to appear on your students' screens.

Answer input only

Start Game

If you're playing with a school class, choose the **'Select a class'** option at the top. This will make it easier to know which students haven't yet joined the game.

Turn the speed bonus off if preferred.

It is recommended to choose 'Question and answer input' when running a Live! Game remotely, or if the questions come with diagrams which may be difficult to see from the front of the class.

Live! Game



Passcode: 435718

Join: dfm.live



Awaiting people to join...

Students need to type **dfm.live** on their device's browser and enter the join code given. As people join, they'll appear in the participant list. If you have selected a class, their names will be listed, but will be greyed out until each joins.



Passcode: 435718

Join: dfm.live



Start

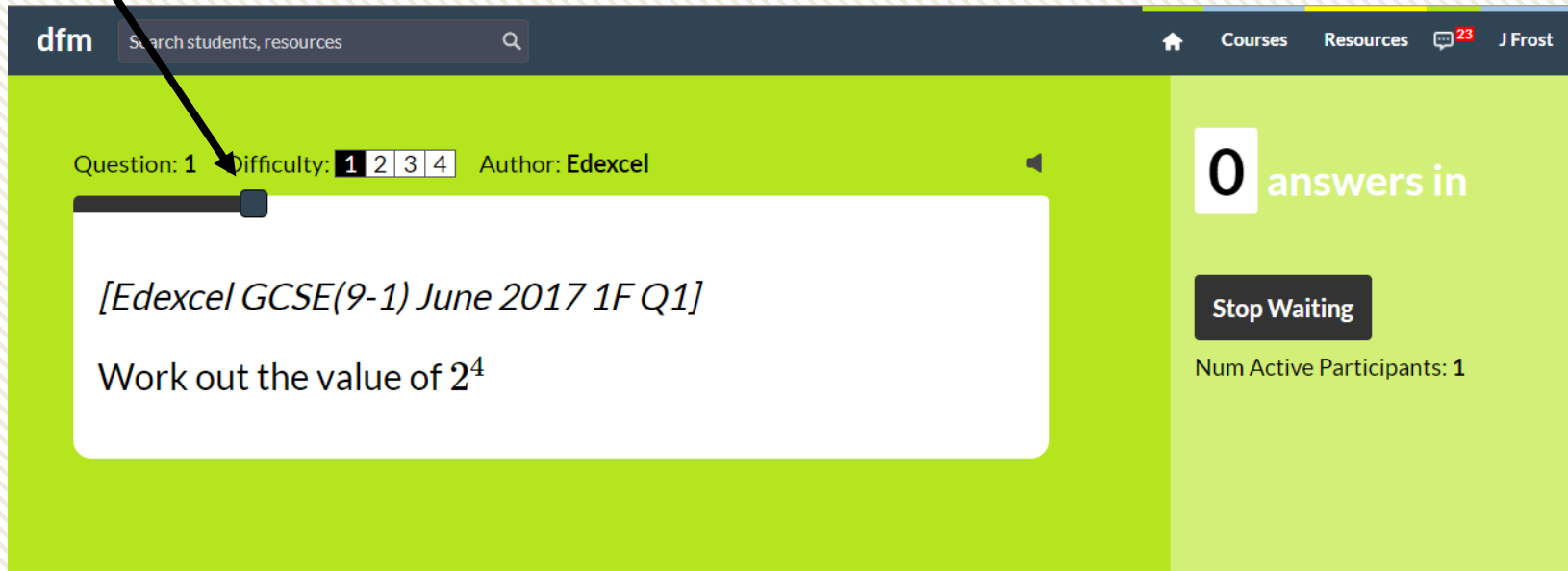
These people have joined so far... (1)

EulerRocks x

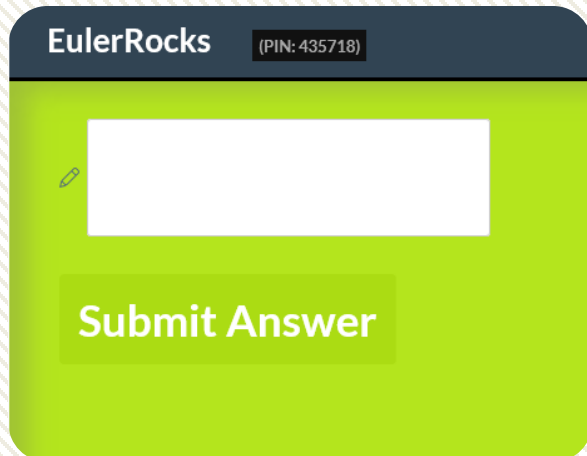
When everyone has joined, click the **Start** button that will appear at the top-right.

Live! Game

Use the zoom slider to make the question smaller or larger.



The screenshot shows the dfm Live! Game interface. At the top, there is a search bar with the text "Search students, resources" and a magnifying glass icon. To the right of the search bar are navigation links for "Courses", "Resources", and a chat icon with "23" notifications, followed by the user name "J Frost". Below the search bar, the question is displayed: "Question: 1" followed by a zoom slider, "Difficulty: 1 2 3 4", and "Author: Edexcel". The question text is "[Edexcel GCSE(9-1) June 2017 1F Q1] Work out the value of 2^4 ". On the right side of the interface, there is a large "0" followed by "answers in", a "Stop Waiting" button, and "Num Active Participants: 1".



The screenshot shows the EulerRocks student interface. At the top, there is a header with "EulerRocks" and a PIN: 435718. Below the header is a large white input field for the answer. At the bottom of the interface is a "Submit Answer" button.

Students will see something like this on their device. Note that if the answer is algebraic, the student will need to use the pop up a keypad to input their answer. You may need to factor this into your waiting time if the input is complex.

Live! Game

dfm Search students, resources

Question: 1 Difficulty: 1 2 3 4 Author: Edexcel

[Edexcel GCSE(9-1) June 2017 1F Q1]

Work out the value of 2^4

0 answers in

Stop Waiting

Num Active Participants: 1

The question will end once all students have entered an answer, and the correct answer will be displayed. You can press **Stop Waiting** at any time. You'll have the option to view your students' answers after each question, but please note that **student responses are not saved within progress data** and their accuracy does not go towards their mastery with the associated skills.

At the end of the game, students will see their rank on their screen, and the leaderboard will appear on the teacher screen.

Organising the worksheet directory

The screenshot shows the 'dfm' website interface. At the top, there is a navigation bar with a 'Menu' button, the 'dfm' logo, a search icon, and the user's name 'M McDonagh'. Below the navigation bar, the main content area is titled 'My Home Folder' and 'M McDonagh'. On the left side, there is a sidebar with a list of categories: 'Past Papers', 'Ravenpuff School', 'Revision', and 'Topic Tests'. The main content area displays a grid of folders and documents. The folders are: 'A Level' (2 worksheets), 'Data' (2 worksheets), 'Number' (1 worksheet), and 'Shape' (2 worksheets). The documents are: 'Expand a single bracket retrieval' (12 questions), 'Surds retrieval Y11' (12 questions), 'Expanding single brackets' (15 questions), and 'Averages' (3 questions). A 'Sort: Last Updated' dropdown menu is visible in the top right corner. Several callout boxes with arrows point to specific elements: 'Click on your school's name to access shared folders and restricted folders.' points to 'Ravenpuff School'; 'A Directory' points to the 'Number' folder; 'A Template' points to the 'Surds retrieval Y11' document; 'A worksheet' points to the 'Averages' document; and 'Sort alphabetically' points to the 'Sort: Last Updated' dropdown menu.

Click on your school's name to access shared folders and restricted folders.

A Directory

A Template

A worksheet

Sort alphabetically

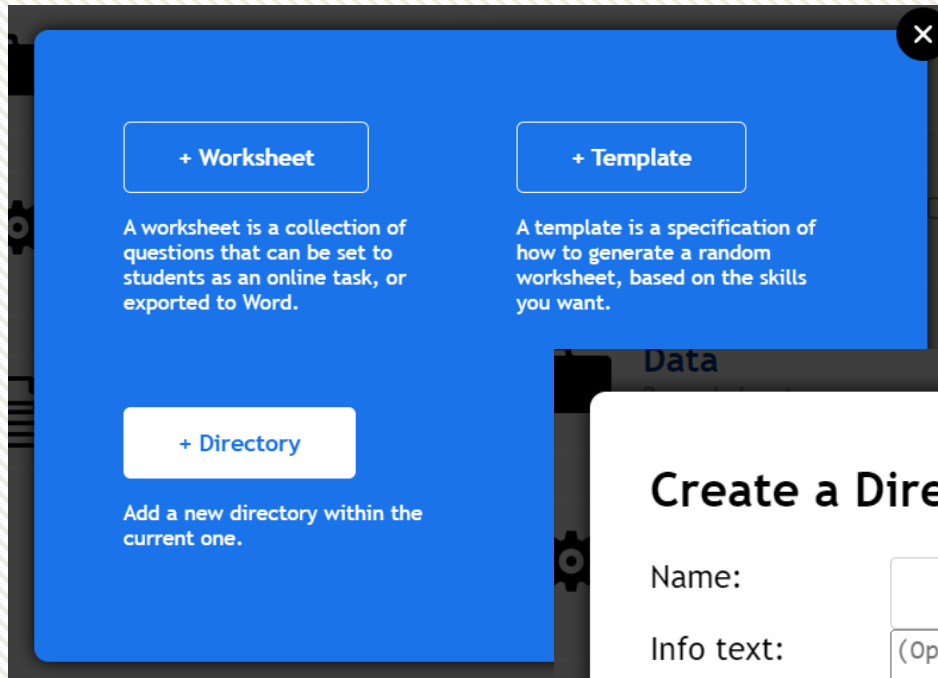
Organising the worksheet directory

The screenshot shows the dfm website interface. At the top, there is a dark navigation bar with a 'Menu' button, the 'dfm' logo, a search icon, and the user name 'M McDonagh'. Below the navigation bar, the main content area displays a directory of worksheets and folders. A callout box with a green border and black text points to a '+ New' button, stating: 'Click +New to add a new worksheet, template or directory.' The directory items are arranged in a grid and include:

- A Level** (2 worksheets)
- Data** (2 worksheets)
- Number** (1 worksheet)
- Shape** (2 worksheets)
- Algebra** (3 worksheets)
- Expand a single bracket retrieval** (12 questions)
- Surds retrieval Y11** (12 questions)
- Expanding single brackets** (15 questions)
- Expand a single bracket with exam practice** (20 questions)
- Averages** (3 questions)

On the left side, there is a sidebar with navigation options: 'Past Papers', 'Ravenpuff School', 'Revision', and 'Topic Tests'. On the right side, there is a 'Sort: Last Updated' dropdown menu.

Organising the worksheet directory



+ Worksheet

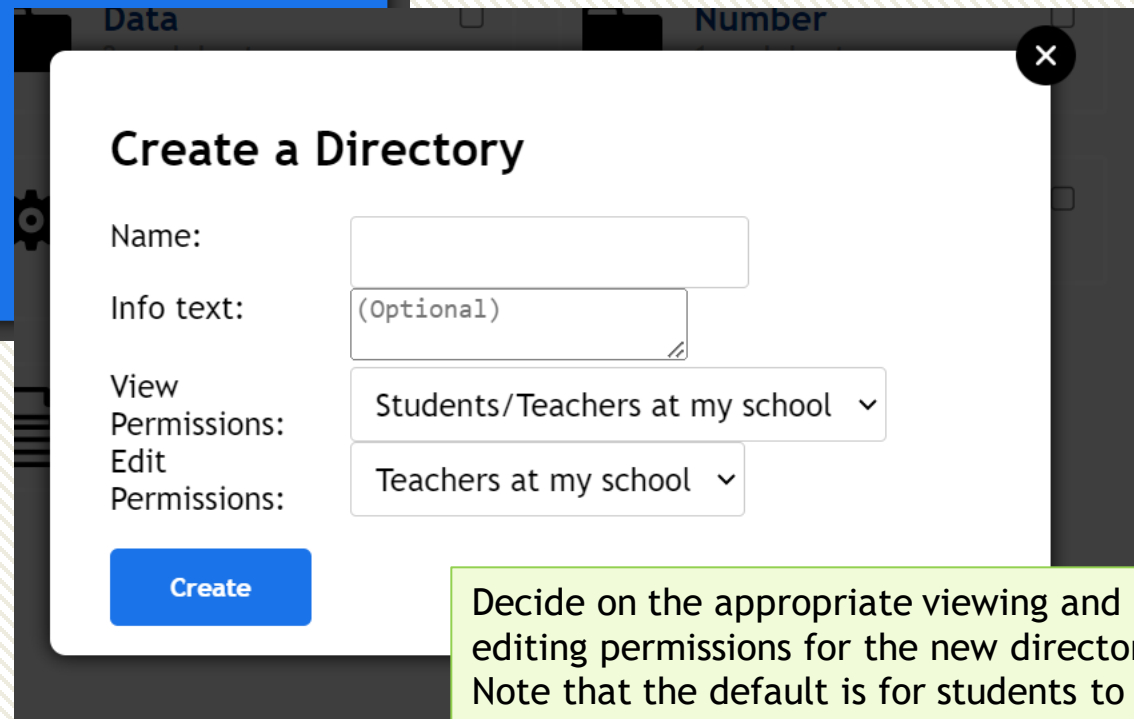
A worksheet is a collection of questions that can be set to students as an online task, or exported to Word.

+ Template

A template is a specification of how to generate a random worksheet, based on the skills you want.

+ Directory

Add a new directory within the current one.



Create a Directory

Name:

Info text:

View Permissions:

Edit Permissions:

Create

Decide on the appropriate viewing and editing permissions for the new directory. Note that the default is for students to be able to view teacher worksheets.

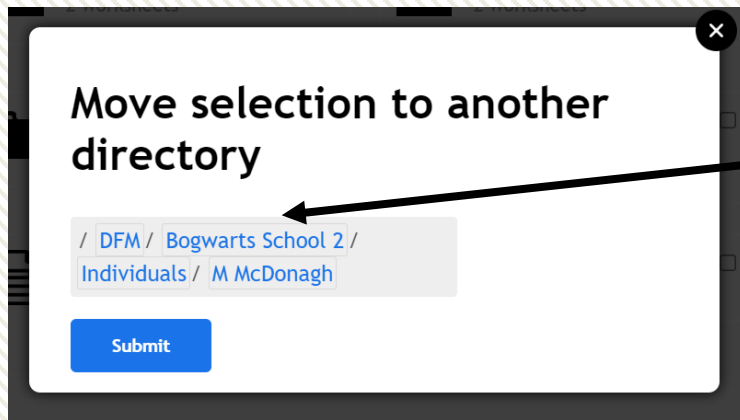
Organising the worksheet directory

The screenshot shows a file management interface for a user named 'M McDonagh'. At the top, there is a navigation bar with a 'Menu' button, the user's name 'dfm', a search icon, and the user's name 'M McDonagh' with a dropdown arrow. Below the navigation bar, there are buttons for '+ New', 'My Home Folder', 'Delete', and 'Move'. The main area displays a grid of folders and worksheets. The folders are: 'can students see this?' (0 worksheets), 'A Level' (2 worksheets), 'Data' (2 worksheets), and 'Number' (1 worksheet). The worksheets are: 'Shape' (2 worksheets), 'Algebra' (3 worksheets), 'Expand a single bracket retrieval' (12 questions), 'Surds retrieval Y11' (12 questions), 'Expanding single brackets' (15 questions, selected), 'Expand a single bracket with exam practice' (20 questions), and 'Averages' (3 questions). A sidebar on the left lists 'Past Papers', 'Ravenpuff School', 'Revision', and 'Topic Tests'. A 'Sort: Last Updated' dropdown is visible in the top right corner.

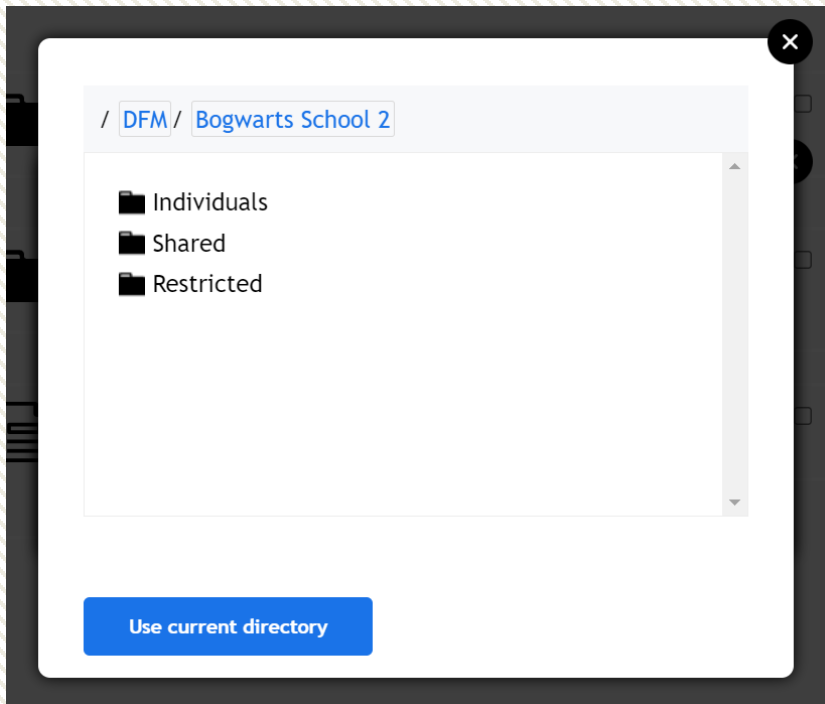
By selecting one or more worksheet, the option to move or delete the worksheet will appear. You can move a worksheet into another directory within your individual directory, or into the school shared/restricted directory.

The school shared directory is visible to students at your school, the restricted directory is not visible, so the latter is useful for saving assessment materials.

Organising the worksheet directory



To move the worksheet, click 'Move' and then select the desired parent folder.



Select the directory you wish to move the worksheet(s) to and select 'Use current directory'.

How do I...

Make my own questions?

There is no direct link within the site, but you can access here:

www.drfrostmaths.com/add-question.php

You could then use your questions within a worksheet.

These questions will be available to you when building a worksheet, but won't be publicly available.

Change a student's class?

Type the student into the search bar on the top menu. Click the student and select 'Move Class'.

Deal with students who have left the school?

Menu → Classes & Settings. Select the 'CLASSLESS STUDENTS' class from the dropdown. Select all the relevant accounts and choose 'Archive' from 'Apply Action'. This leaves the account open but will no longer appear when you search for students.

If you do a full school import, any students not in your import will be archived automatically.

Make an intervention group without the students leaving their normal class?

From Menu → Classes & Settings, use the + New Class button and click +Students. They will be added to the new class without being removed from their old class.

Change the order of learning in a course?

Go to your course and click the 'View' toggle to change to Edit. On this page only, you will be able to drag the modules to reorder them, you can also drag the units between within modules.

See a complete list of Key Skills/Exam Skills?

Menu → Question Explorer → Complete Skill List (link at bottom of page)

Quickly see all a student's question answering activity?

Menu → Progress Data → Student Progress → Activity

Change my school's name/logo?

On the top menu, Classes & Settings → School Settings → Logo.

See summative statistics about my school's usage?

Menu → Progress Data → School Stats.

This will show you volume of usage by year group and volume of recent activity by teacher.