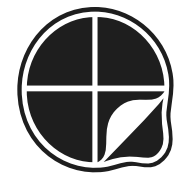


# Frequently asked questions



Diagnostic Questions

Welcome to the ultimate guide of all the lovely things you can do on Diagnostic Questions. We built the site to help you identify, understand and resolve your students' misconceptions, and to help the whole world learn together. With Diagnostic Questions now completely free to all users, there has never been a better time to try out all its features. I hope you and your students find it useful.

For the pedagogy behind Diagnostic Questions, together with hints and tips about using them in the classroom, both for support and challenge as well as assessment, please [visit here](#).

**Craig Barton**

Co-Founder of Diagnostic Questions

## CONTENTS

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### *p. 4* Getting Set-up

- How do I sign-up for Diagnostic Questions?
- How do I set-up a school?
- How do I archive last year's classes?
- How do I create new classes?
- How do students join a class?
- How do I find a student's username and password?
- How do I add new students?
- How do I add a new teacher?

### *p. 26* Creating Content

- How do I create a question?
- How do I create a quiz?
- How do I set an assignment?

### *p. 41* Understanding Quizzes

- How do I view the results of an assignment?
- How do I print off a student report?
- How do I print off a class report? **NOW FREE!**
- How do I give feedback to students? **NOW FREE!**

### *p. 54* Understanding Progress

- How do I see how my class is doing over time? **NOW FREE!**
- How do I make comparisons? **NOW FREE!**

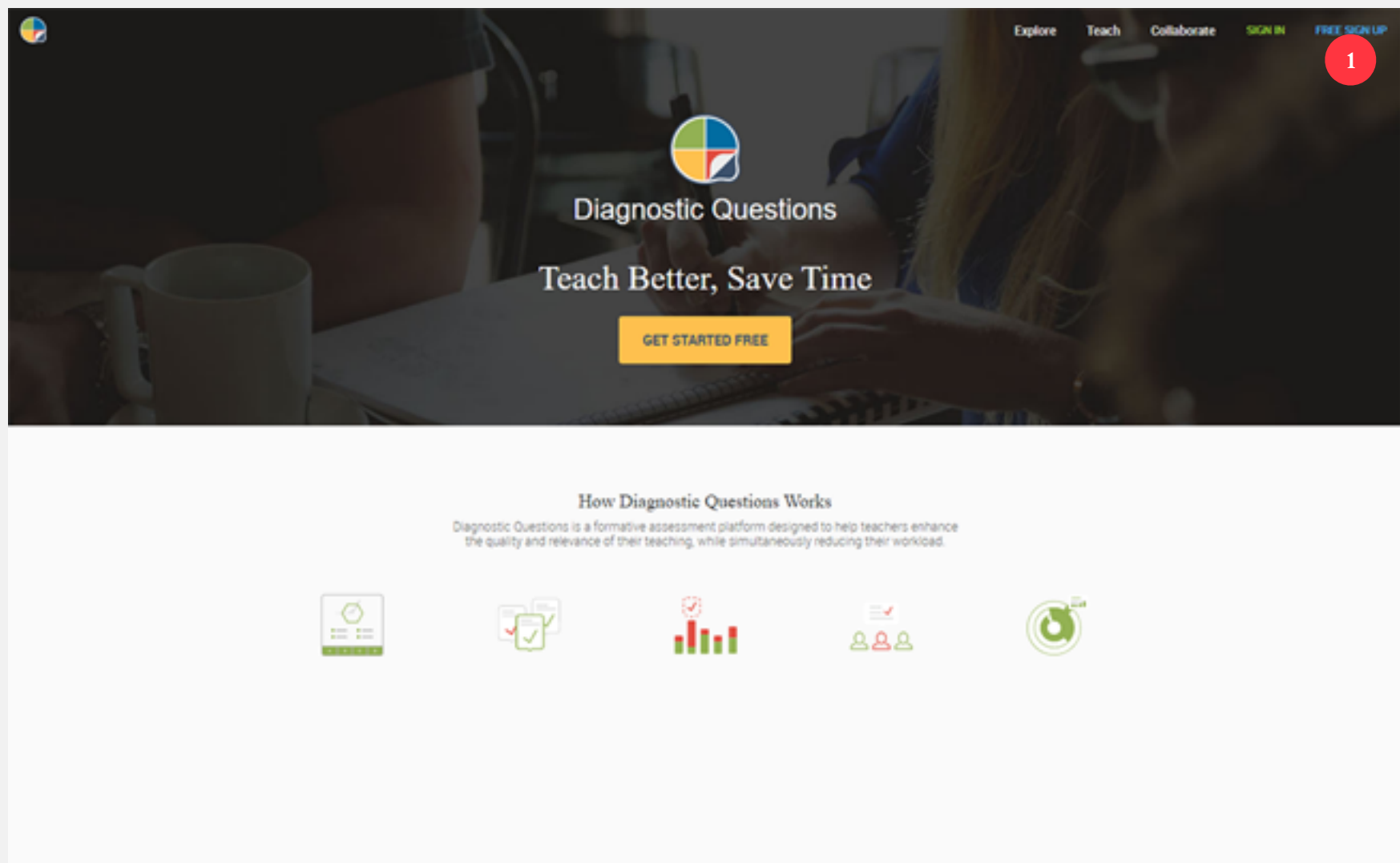
### *p. 64* Planning a Lesson

- How do I plan a lesson?

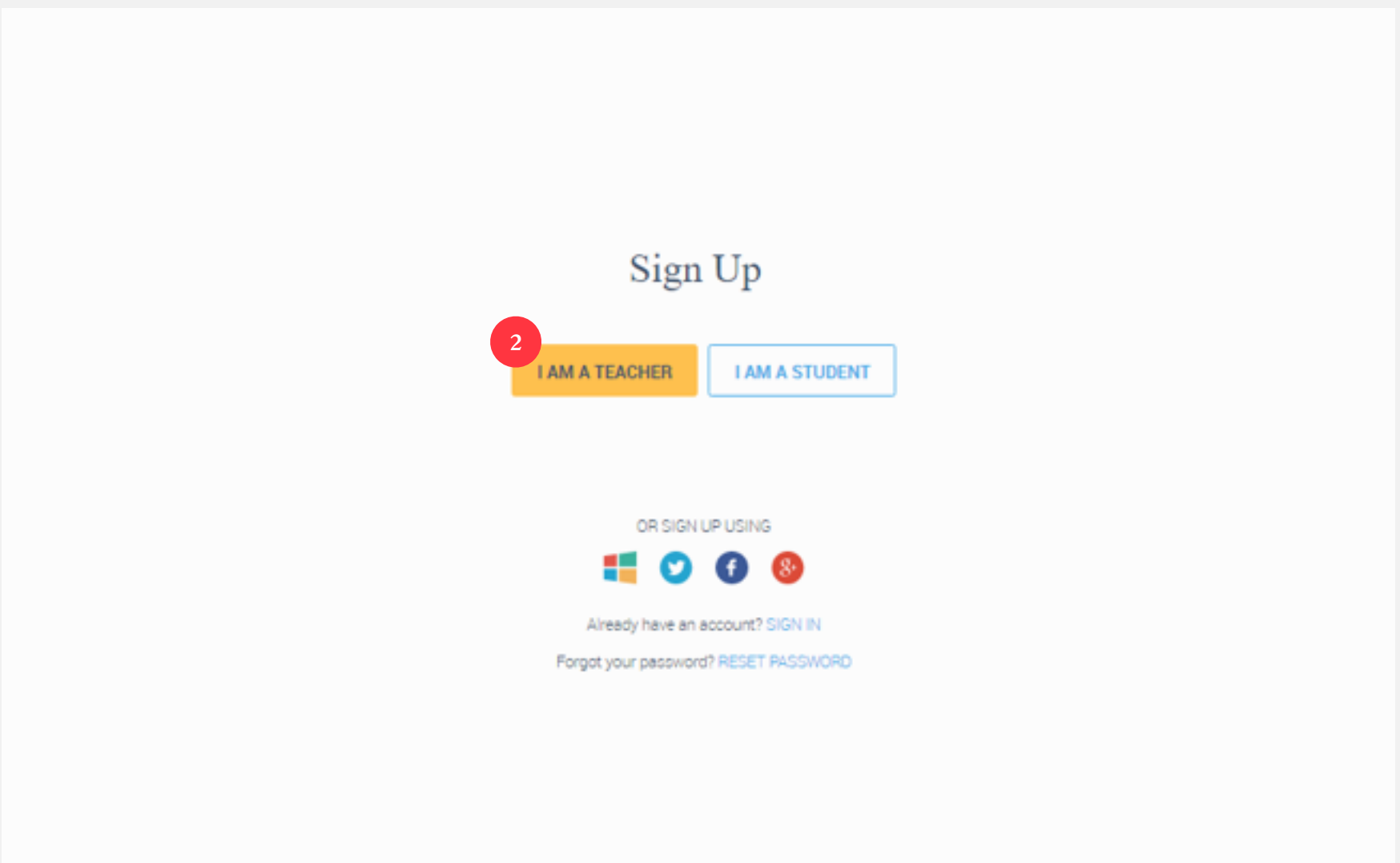


# How do I sign-up for Diagnostic Questions?

Thank you for deciding to join us. I promise, you won't be disappointed. We have made the sign-up process as easy as possible.



1 Go to our homepage ([www.diagnosticquestions.com](http://www.diagnosticquestions.com)) and click “Free Sign-up”



2 Tell us that you are a teacher...

# How do I sign-up for Diagnostic Questions?

Thank you for deciding to join us. I promise, you won't be disappointed. We have made the sign-up process as easy as possible.

Teacher Account

3

USERNAME

mrbartonmaths

PASSWORD

\*\*\*\*\*

CONFIRM PASSWORD

EMAIL ADDRESS

☒ Send me updates on new features (you can unsubscribe at any time)

CREATE YOUR TEACHER ACCOUNT

Are you actually a student?

SIGN UP AS STUDENT

3 Fill out your details

My Classes

Questions

Insights

Feedback

Help

anewteacher

MY CLASSES

MANAGE CLASSES

ADD A CLASS

Welcome to Your Teacher Dashboard!

To get started create a class and invite your students to join. Then you can pick a quiz to assign to your class and start enjoying the automatic marking and feedback.

Demo Class

5 STUDENTS 1 ASSIGNMENTS

Demo Class

HIDE DEMO

Demo Quiz

DUE 14 OCT 2015 08:50

STUDENTS

ANSWERS

4

INSIGHTS

Need help?

Get set up for the new school year on Diagnostic Questions

View the FAQ

MY SCHOOL

School Code

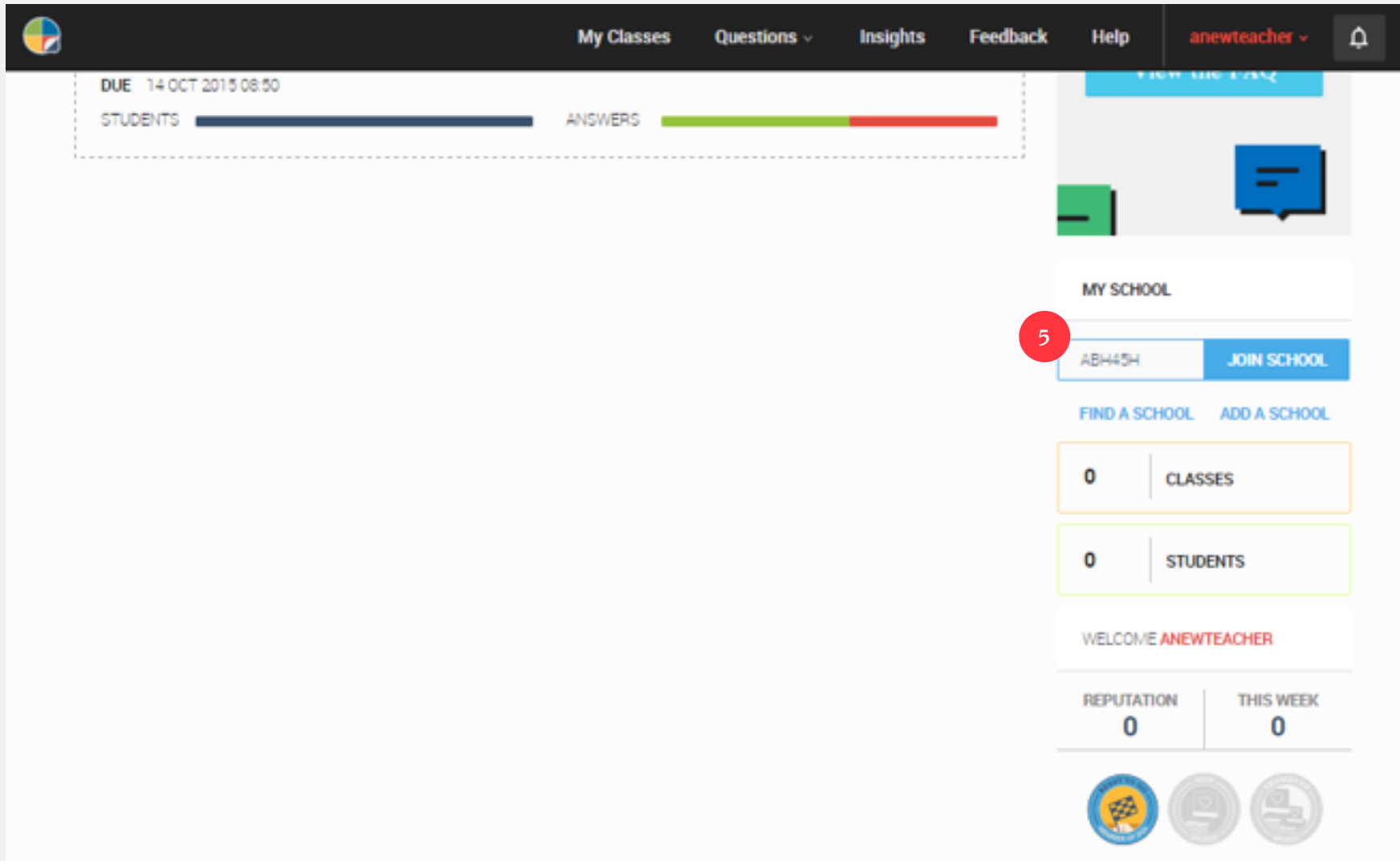
JOIN SCHOOL

4 And you are in!

This is your Dashboard page, and will be a key part of your navigation around the site. If you have a minute spare, you can click on “Insights” for our Demo Class to get a taste of what we can do

# How do I sign-up for Diagnostic Questions?

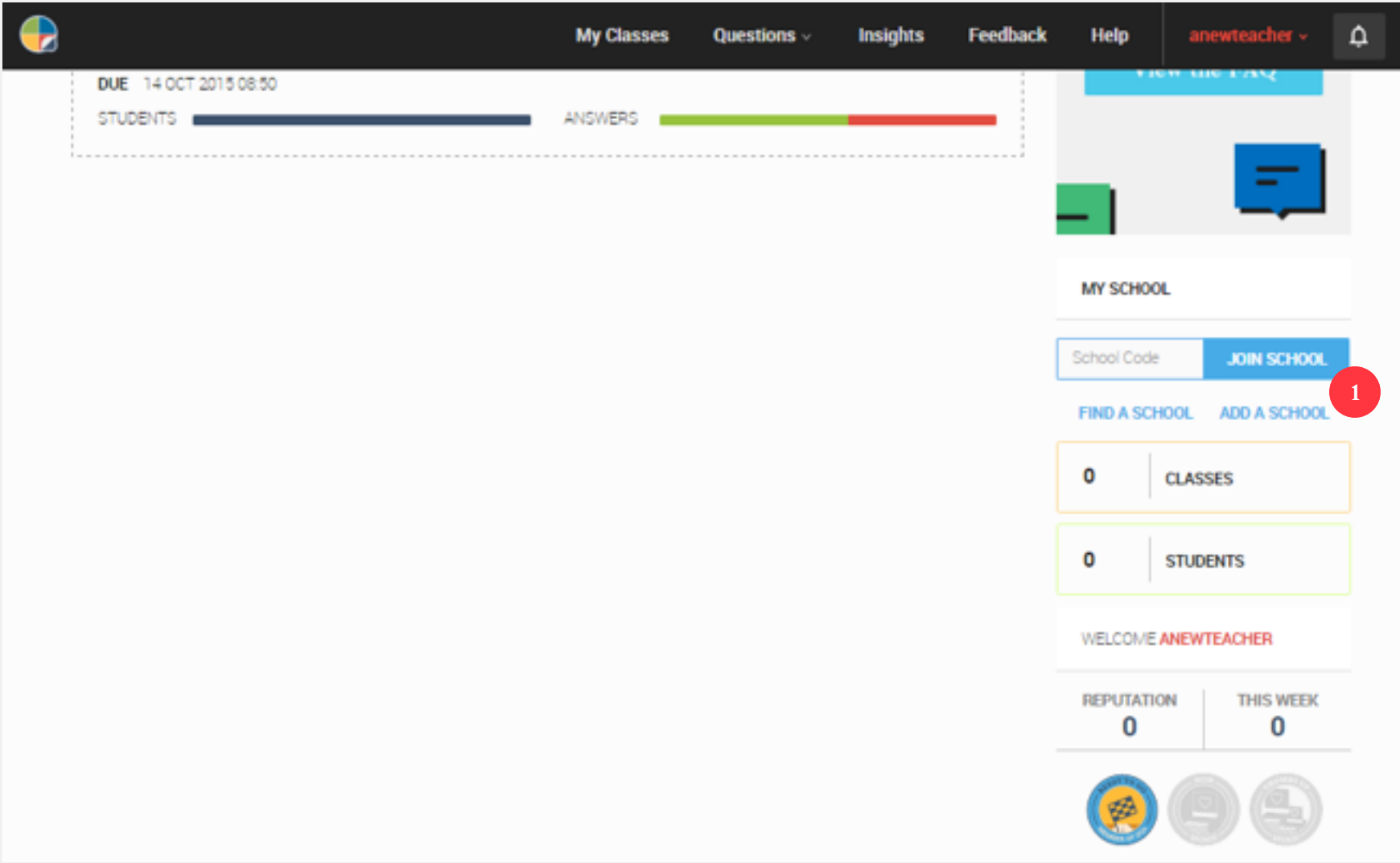
Thank you for deciding to join us. I promise, you won't be disappointed. We have made the sign-up process as easy as possible.



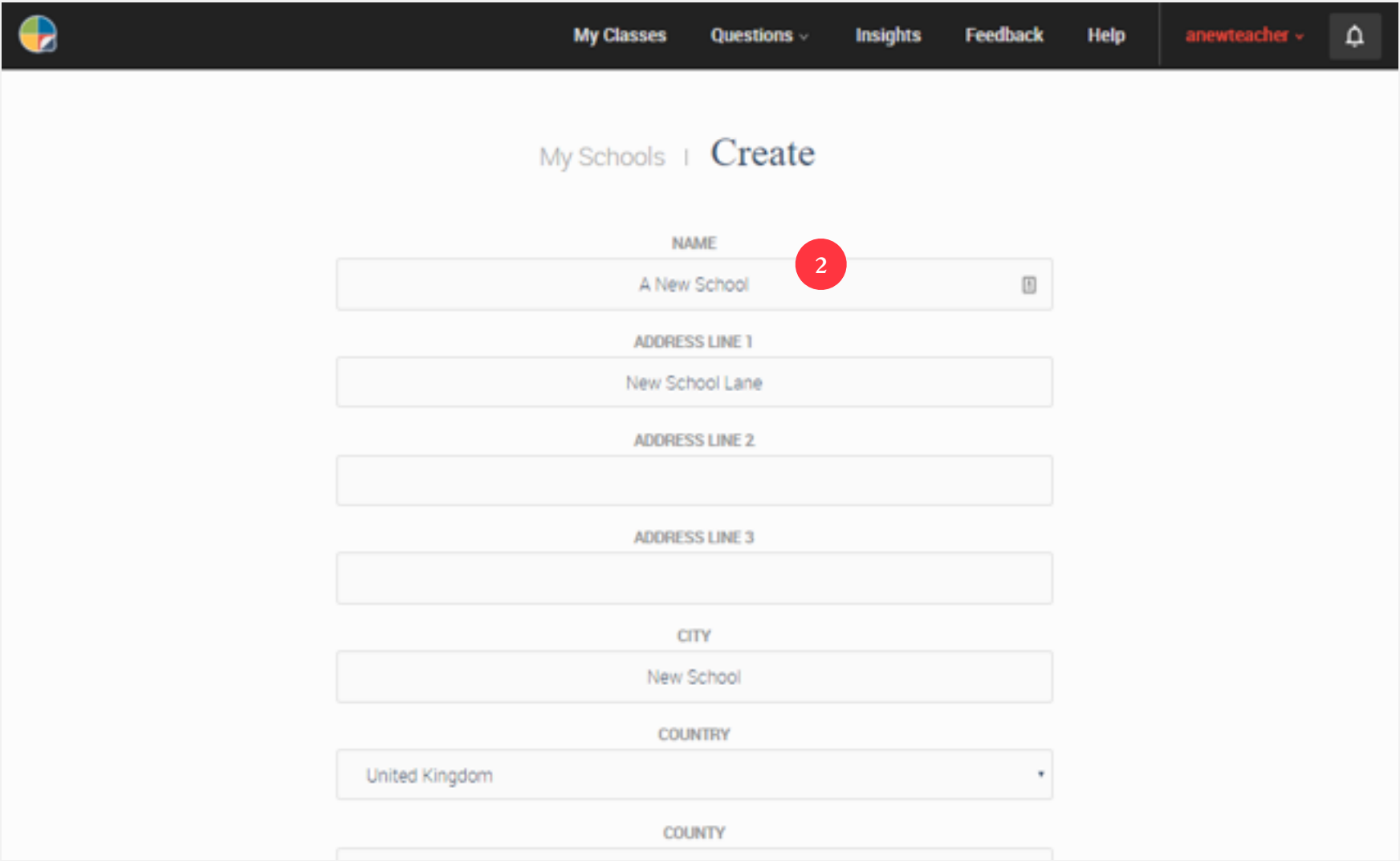
- 5 And then, if you have already been given a School Code by a colleague at your school who has already joined us, then just scroll down the page and enter it on the right-hand side

# How do I set-up a school?

Maybe you are a trendsetter and are in fact the first person at your school to have a Diagnostic Questions account. Well, in that case, it is time to set up a school!



- 1 Once logged in, scroll down the right-hand side of the page on your Dashboard, and click on “Add a School”



- 2 Fill out the school’s details



# How do I set-up a school?

Maybe you are a trendsetter and are in fact the first person at your school to have a Diagnostic Questions account. Well, in that case, it is time to set up a school!

My ClassesQuestionsInsightsFeedbackHelpanewteacher

ADDRESS LINE 2

ADDRESS LINE 3

CITY

New School

COUNTRY

United Kingdom

COUNTY

Lancashire

POSTCODE

TELEPHONE

3

CREATE

CANCEL

3 And click “Create” at the bottom of the page

My ClassesQuestionsInsightsFeedbackHelpanewteacher

4

My Schools

Enter your school code here!

JOIN SCHOOL

CREATE A SCHOOL

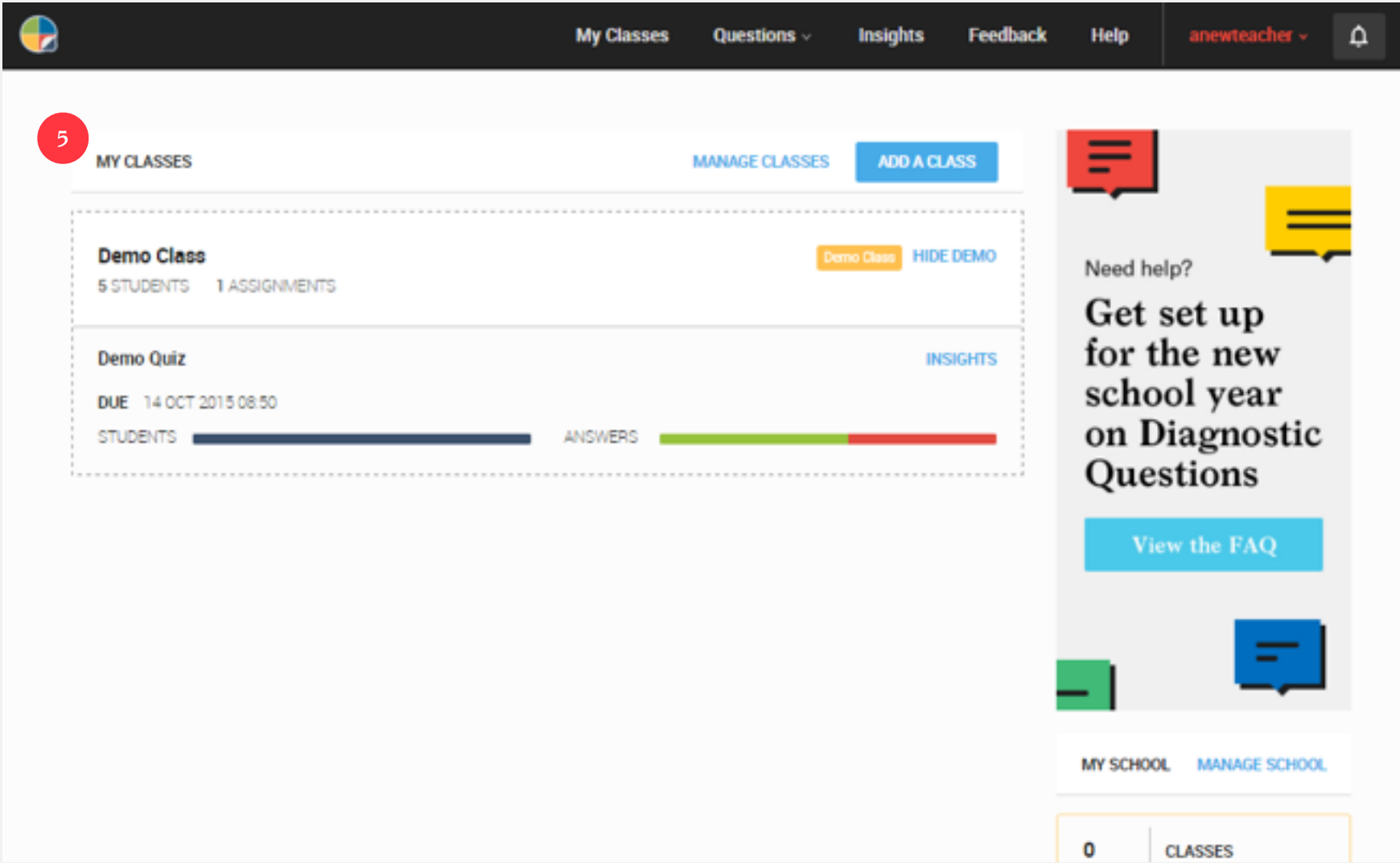
FIND A SCHOOL

SCHOOL	STATUS	
A New School (Default) New School Lane Lancashire New School United Kingdom	ADMINISTRATOR	<a href="#">Leave</a>   <a href="#">Edit</a>   <a href="#">Make Default</a>

4 You are now the official administrator of your school. Feel the power! But if you want others to join you, just click on “My Classes” on the top toolbar.

# How do I set-up a school?

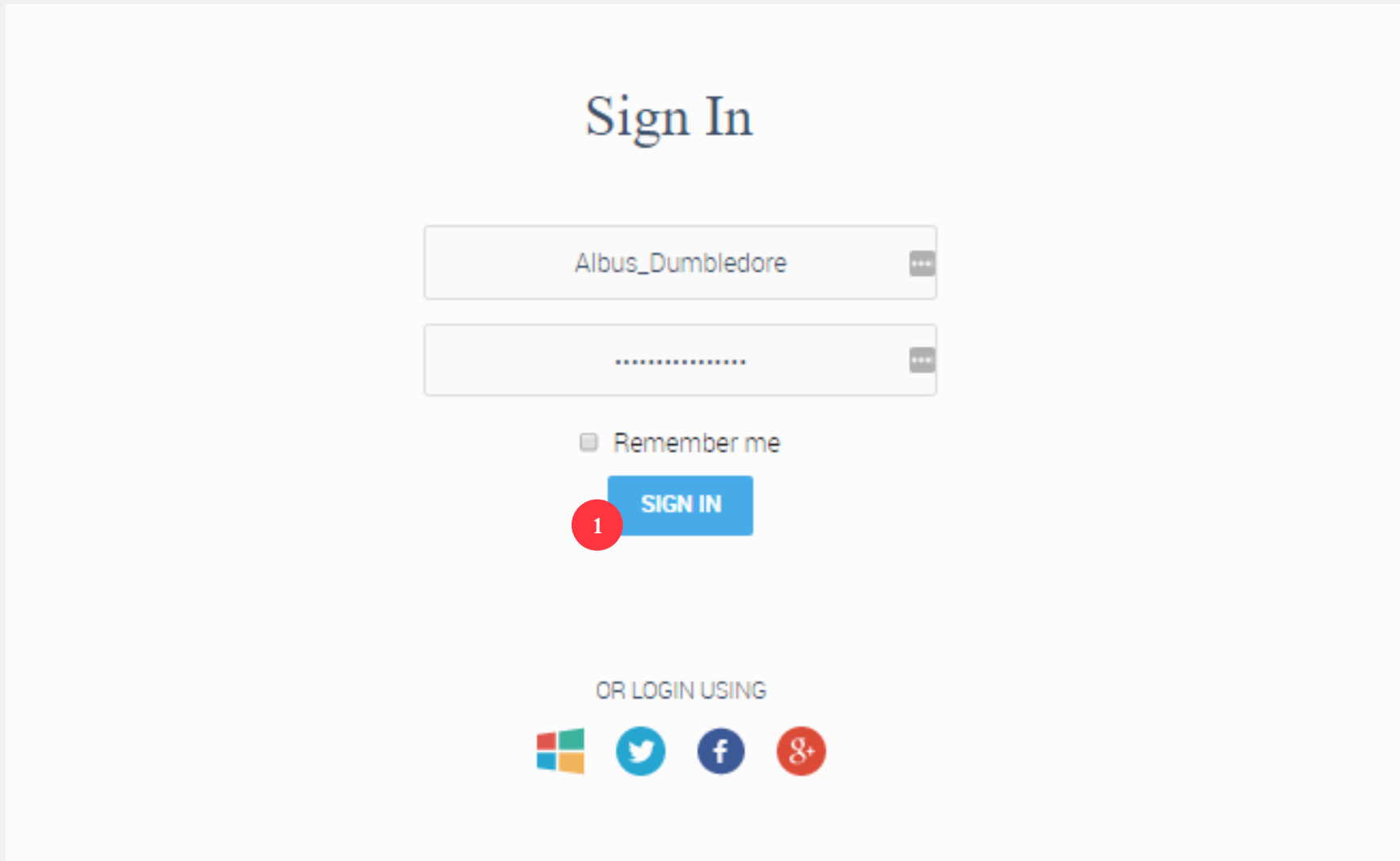
Maybe you are a trendsetter and are in fact the first person at your school to have a Diagnostic Questions account. Well, in that case, it is time to set up a school!



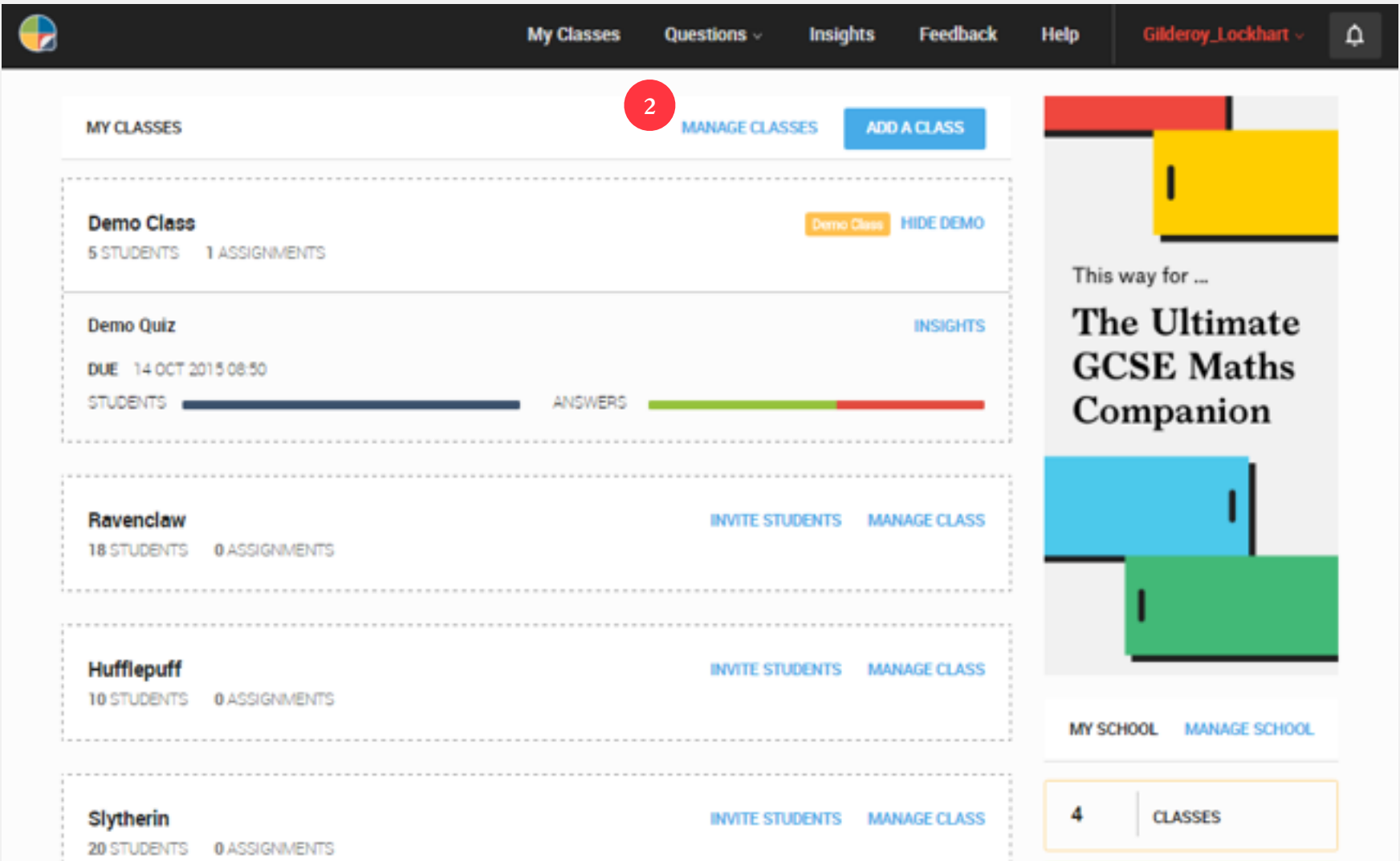
- 5 This will take you back to the dashboard, where you will be able to Set up Classes, Invite Fellow Teachers, and lots more.

# How do I archive last year's classes?

With last year now a dim and distant memory, it is time to archive last year's classes. Don't worry, your data is completely safe, and you can even access these classes whenever you like if you are ever feeling nostalgic:



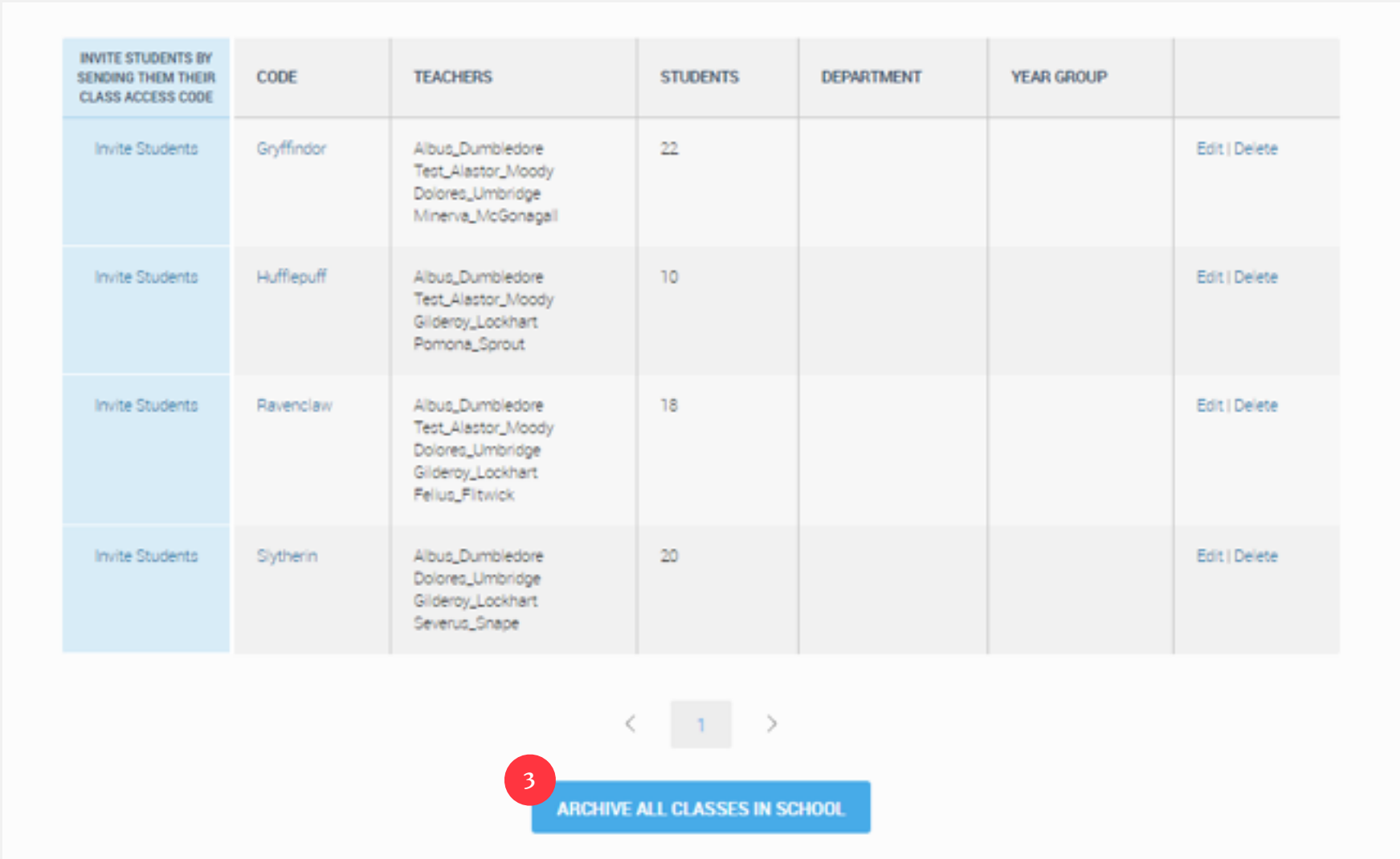
- 1
- The school administrator needs to log in. This is usually the person who first created your school, but you can make more teachers administrators (see “[How do I add a new teacher?](#)”)



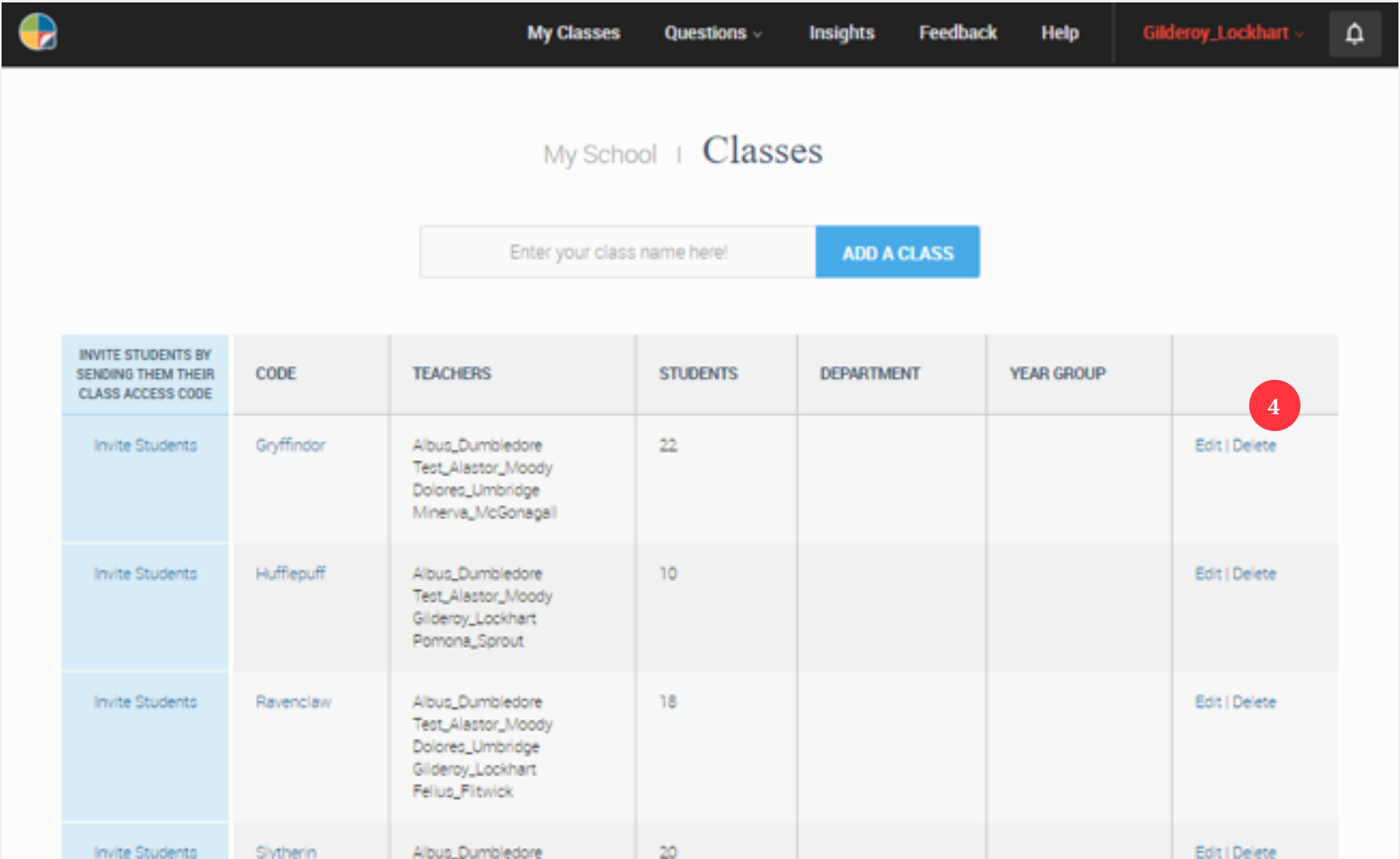
- 2
- Click on “Manage Classes”

# How do I archive last year's classes?

With last year now a dim and distant memory, it is time to archive last year's classes. Don't worry, your data is completely safe, and you can even access these classes whenever you like if you are ever feeling nostalgic:



3 Scroll to the bottom of the page and click on “Archive All Classes in School”

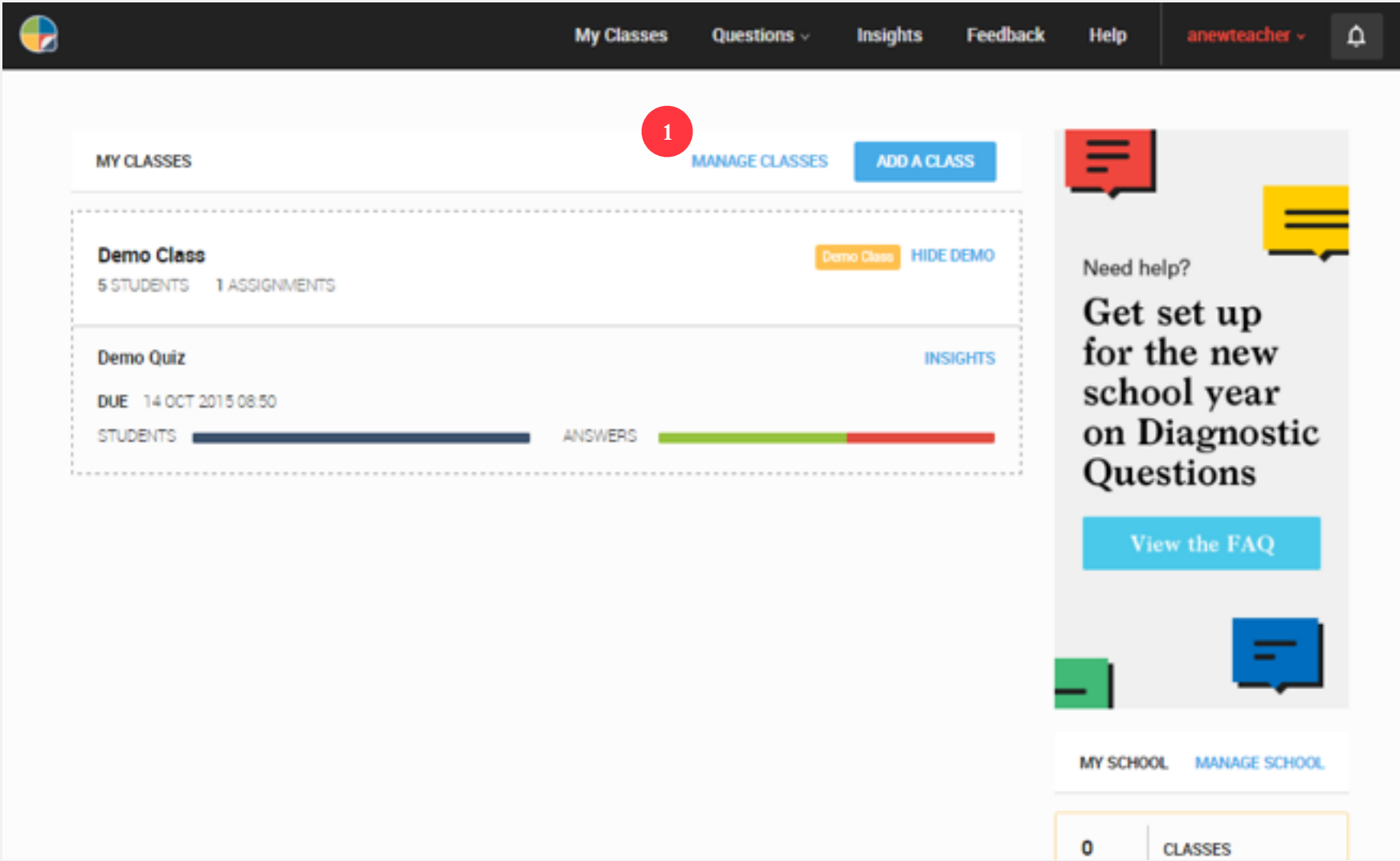


4 And you are done!

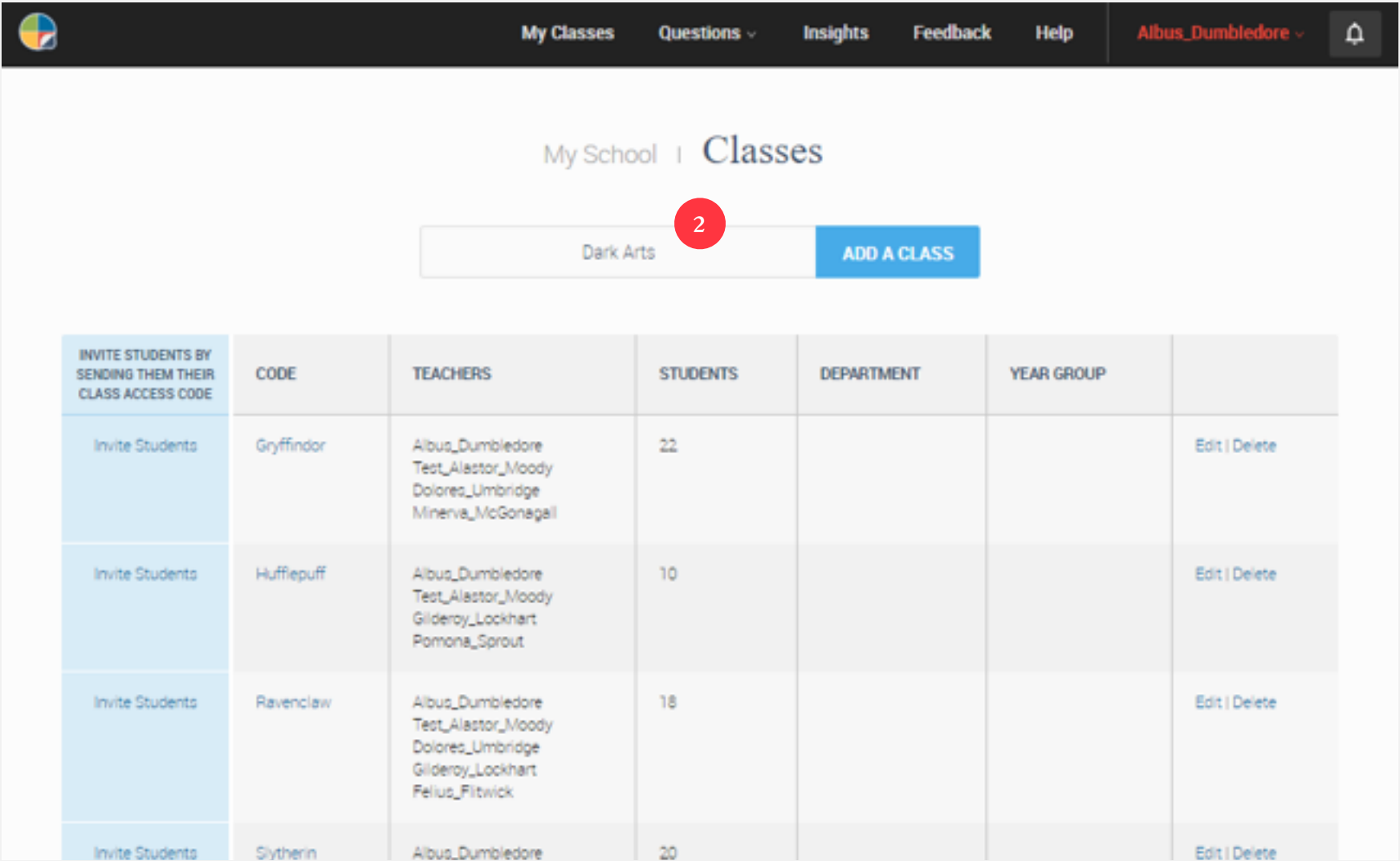
Note: If someone in your school has already started creating this year's classes, we will send you a nice little warning message about this. If this is the case, you will have to delete the classes individually by clicking on “Delete”

# How do I create new classes?

Out with the old and in with new. Let’s set up some brand new classes:



1 From the Dashboard, click on “Manage Classes”



2 On the Manage Classes page, just type in your Class Name, and click “Add a Class”

# How do I create new classes?

Out with the old and in with new. Let’s set up some brand new classes:

My ClassesQuestionsInsightsFeedbackHelp

Albus\_Dumbledore

My School | Classes

Enter your class name here!

ADD A CLASS

INVITE STUDENTS BY SENDING THEM THEIR CLASS ACCESS CODE	CODE	TEACHERS	STUDENTS	DEPARTMENT	YEAR GROUP	
Invite Students	Dark Arts	Albus_Dumbledore	0			3 Edit   Delete
Invite Students	Gryffindor	Albus_Dumbledore Test_Alaster_Moody Dolores_Umbridge Minerva_McGonagall	22			Edit   Delete
Invite Students	Hufflepuff	Albus_Dumbledore Test_Alaster_Moody Gilderoy_Lockhart Pomona_Sprout	10			Edit   Delete
Invite Students	Ravenclaw	Albus_Dumbledore Test_Alaster_Moody Dolores_Umbridge Gilderoy_Lockhart Filius_Flitwick	18			Edit   Delete

3 Your class has now been created, and by default the person who created it will be the assigned teacher. You can easily change this by clicking on “Edit”

Classes | Edit

CODE

Dark Arts

DESCRIPTION

IS THIS CLASS ARCHIVED?

☐ Archived

TEACHERS

☐ Test\_Alaster\_Moody

☐ Dolores\_Umbridge

☐ Gilderoy\_Lockhart

☐ Severus\_Snape

☐ Filius\_Flitwick

☐ Minerva\_McGonagall

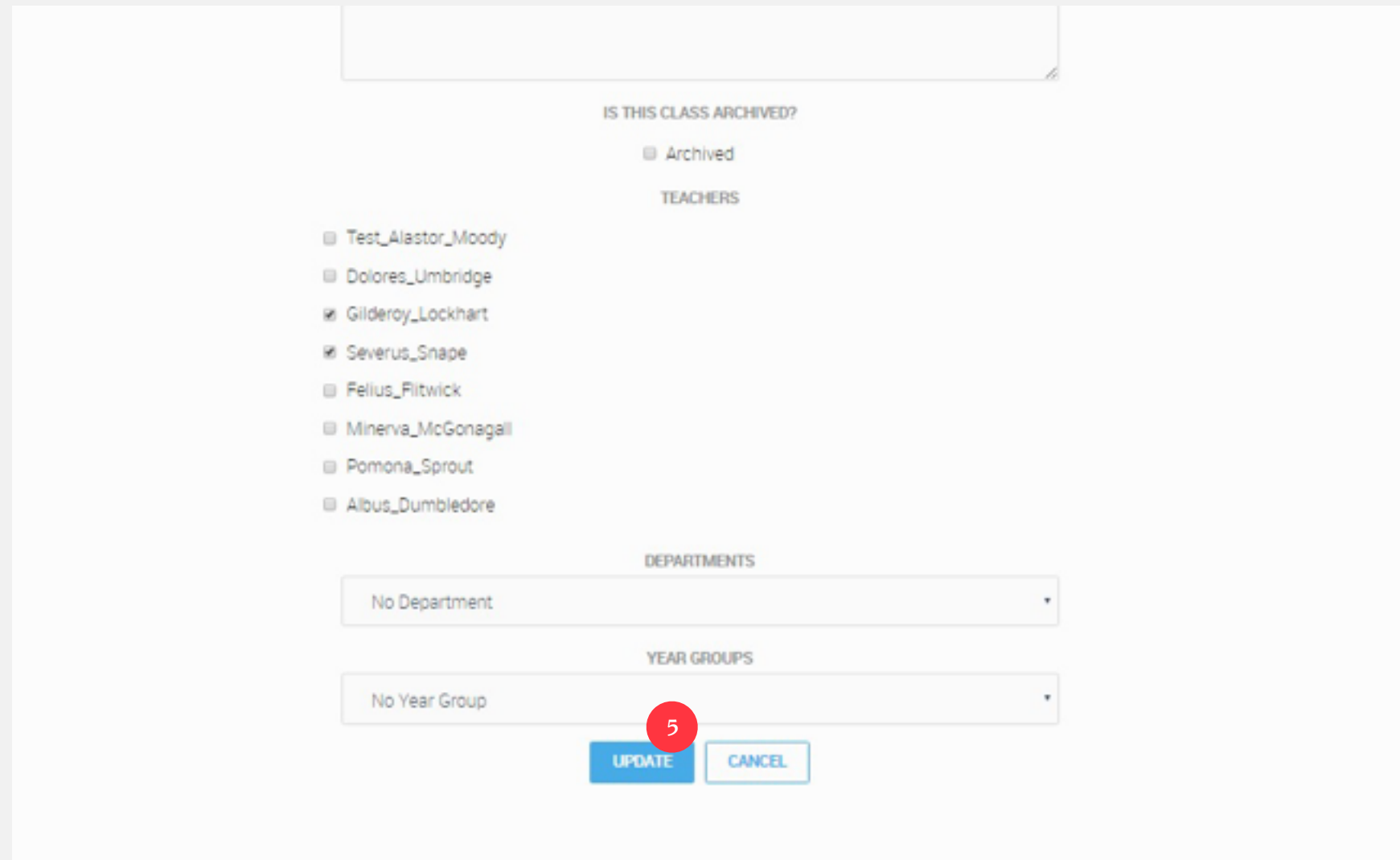
☐ Pomona\_Sprout

☒ Albus\_Dumbledore 4

4 And then choosing the teacher or teachers who should be assigned to the class

## How do I create new classes?

Out with the old and in with new. Let's set up some brand new classes:

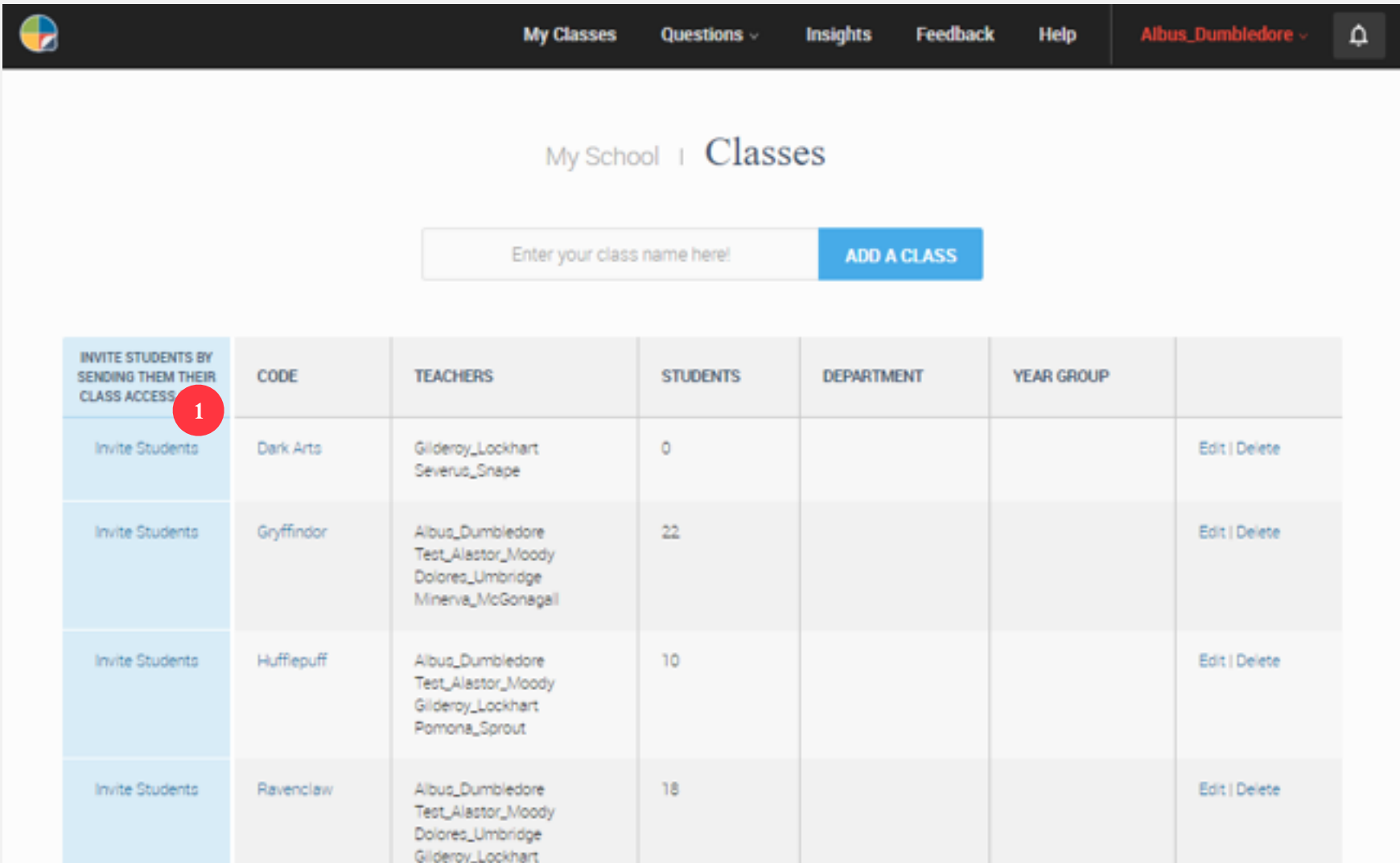


The screenshot shows a web form for creating or updating a class. At the top, there is a text input field. Below it is a section titled "IS THIS CLASS ARCHIVED?" with a radio button labeled "Archived". Underneath is a section titled "TEACHERS" with a list of checkboxes and names: "Test\_Alaster\_Moody", "Dolores\_Umbridge", "Gilderoy\_Lockhart" (checked), "Severus\_Snape" (checked), "Filius\_Flitwick", "Minerva\_McGonagall", "Pomona\_Sprout", and "Albus\_Dumbledore". Below the teachers list is a "DEPARTMENTS" dropdown menu currently set to "No Department". Underneath that is a "YEAR GROUPS" dropdown menu currently set to "No Year Group". At the bottom of the form are two buttons: "UPDATE" (highlighted with a red circle and the number 5) and "CANCEL".

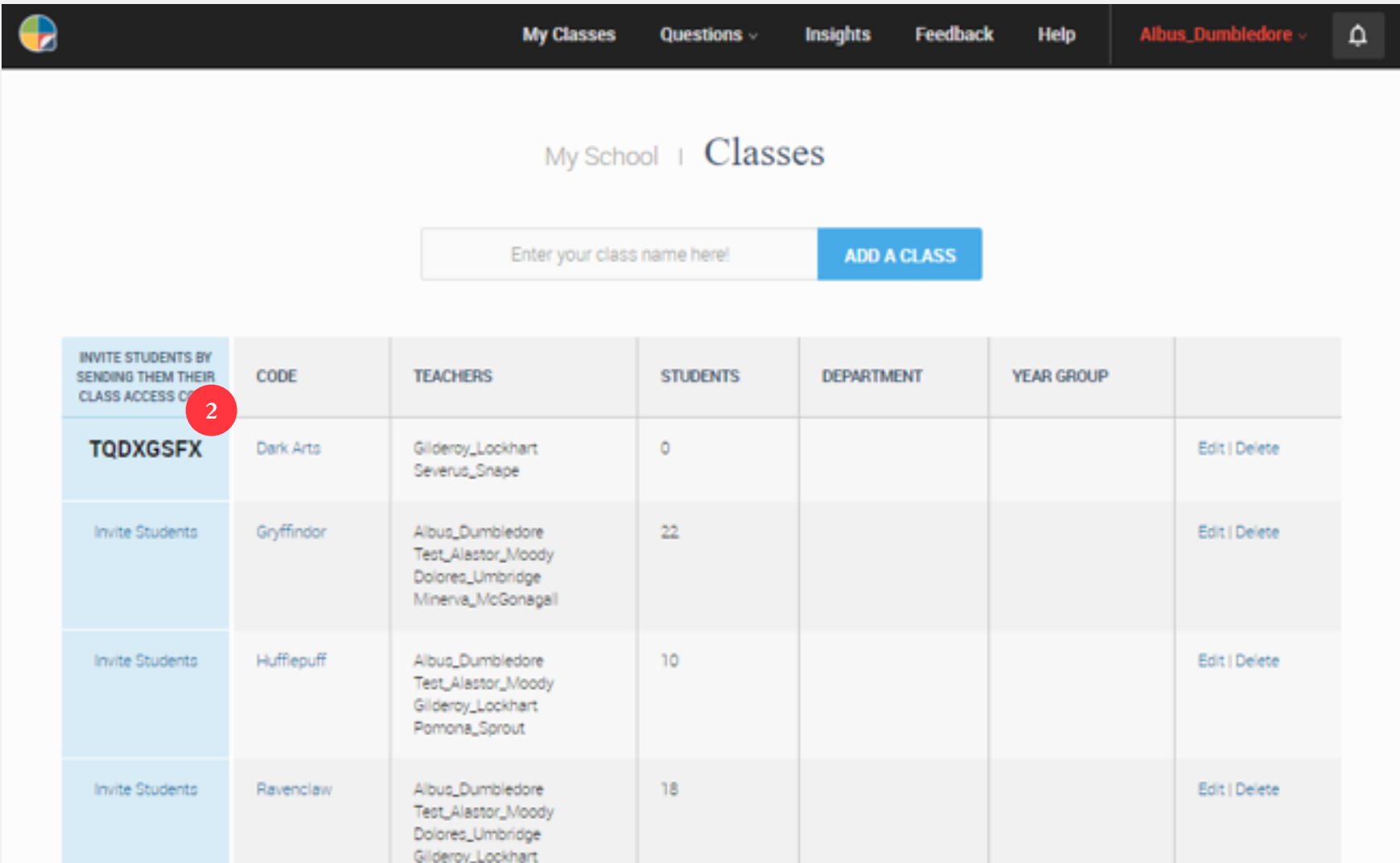
- 5 Finally click "Update" at the bottom of the screen. Repeat this process until you have all this year's classes on the system!

# How do students join a class?

We have experimented with spreadsheets, randomly generated usernames, and numerous other methods, but the one that seems to cause the fewest headaches for us busy teachers is the following:



- 1 On the Manage Classes page, find the class you want and click “Invite Students” on the left hand side

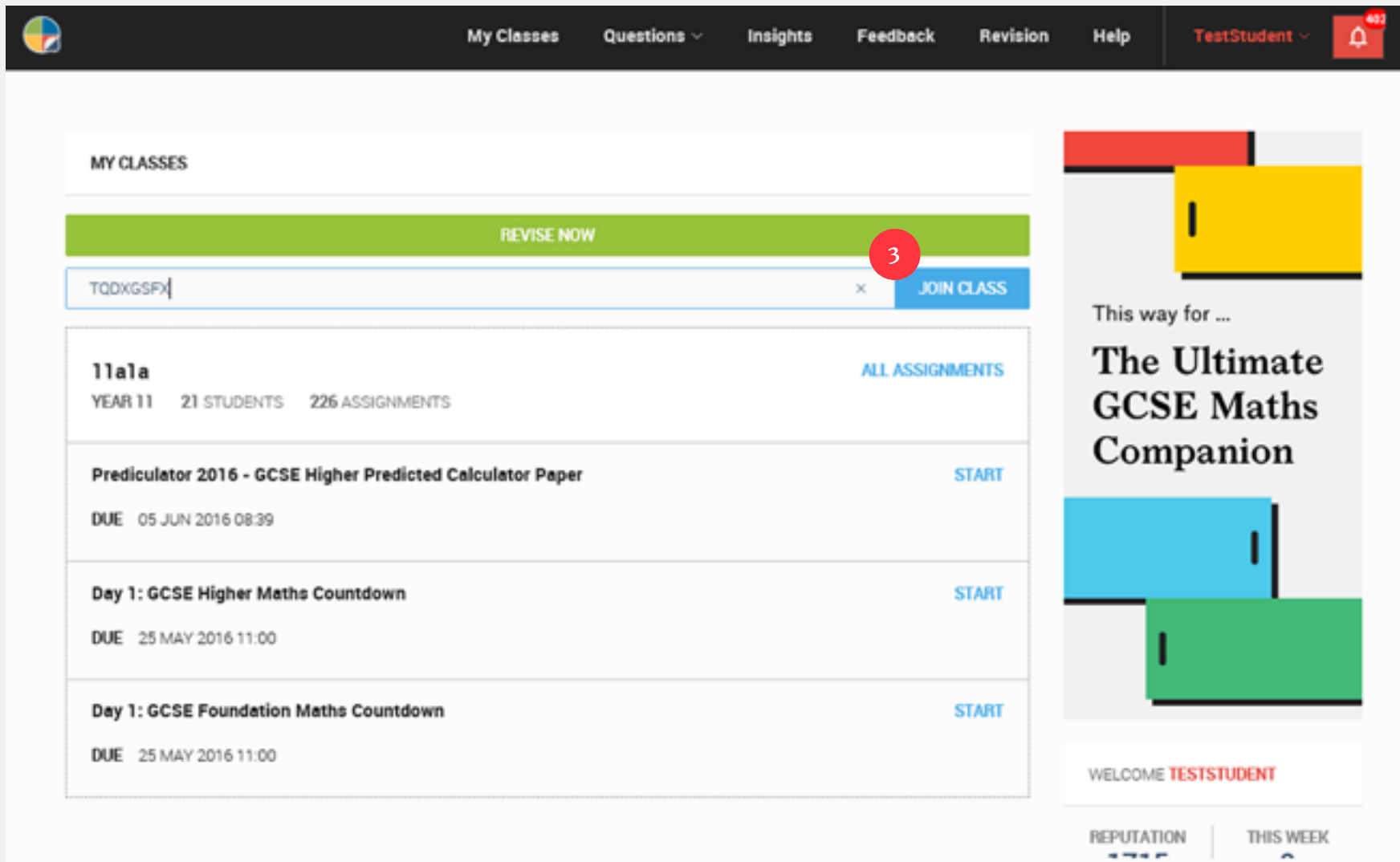


- 2 Give this code to all the students in your class



# How do students join a class?

We have experimented with spreadsheets, randomly generated usernames, and numerous other methods, but the one that seems to cause the fewest headaches for us busy teachers is the following:

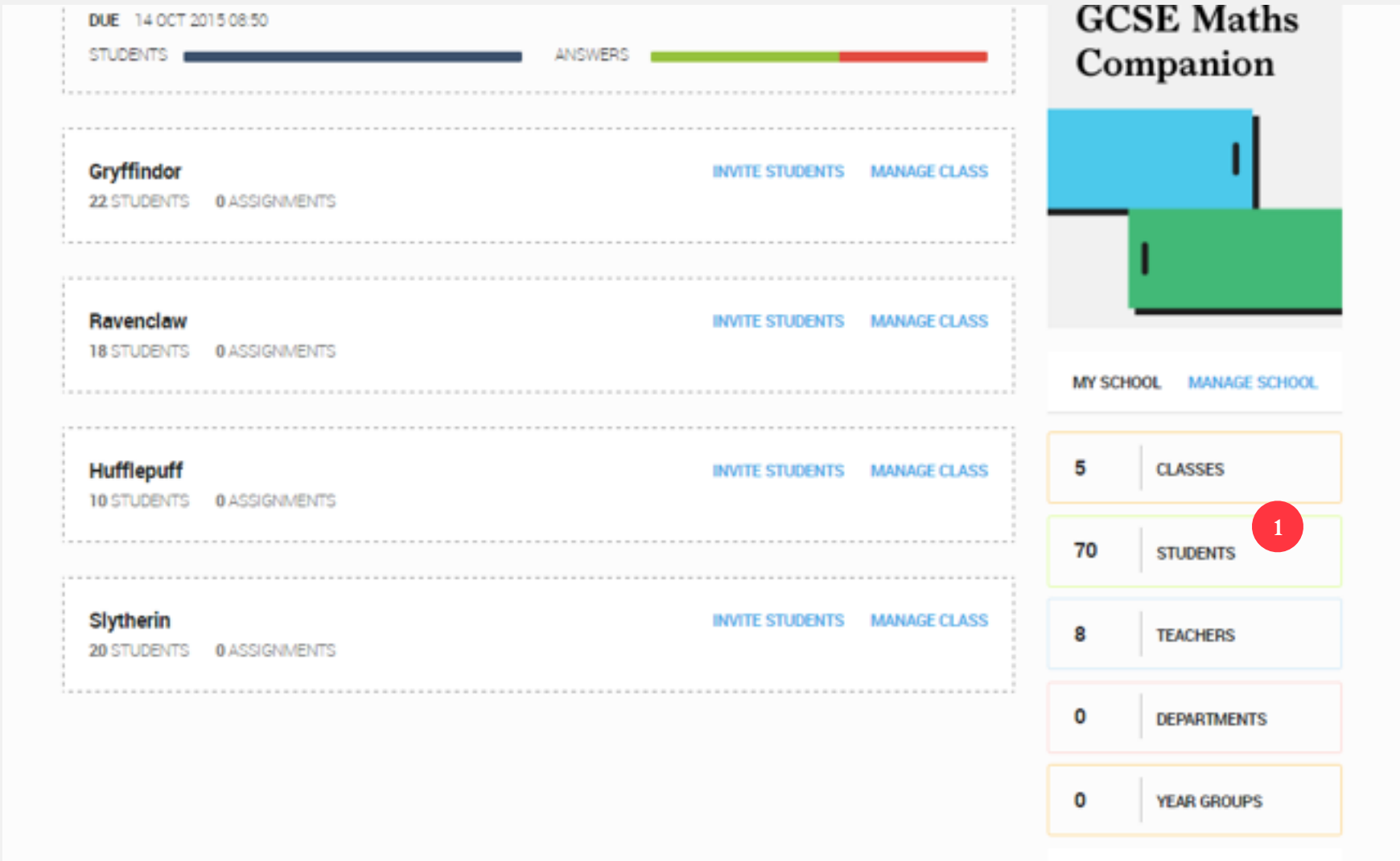


- 3 Then, when your student next logs in, tell them to enter the class code at the top of their home screen and click “Join Class”

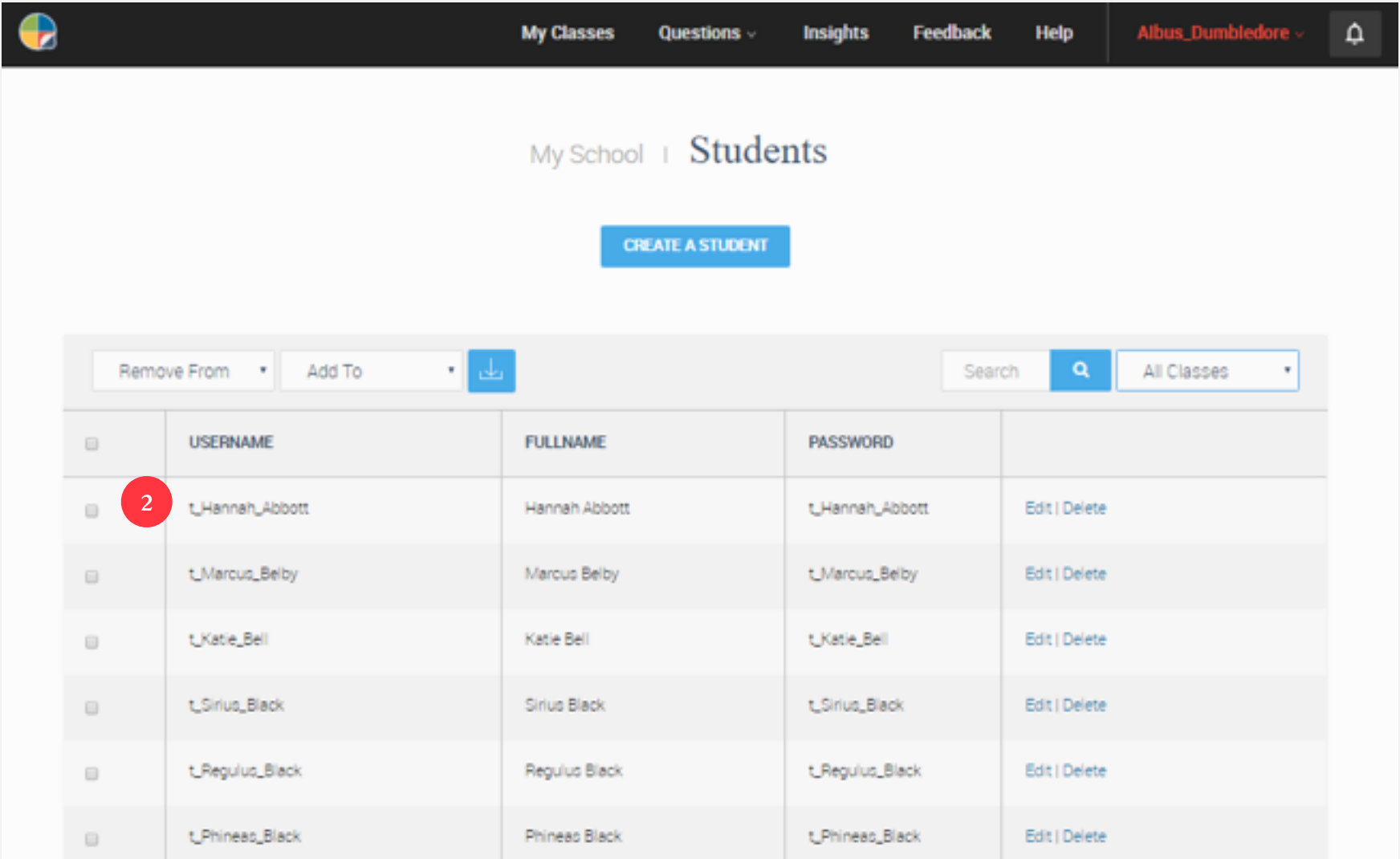
It is worth doing this live in the classroom with one of your students to show the rest of them how easy it is and leave them no excuses!

# How do I find a student's username and password?

I know you will find this hard to believe, but sometimes a student might just have forgotten their username and password. I know, ridiculous, right? If that is the case, then all you need to do is:



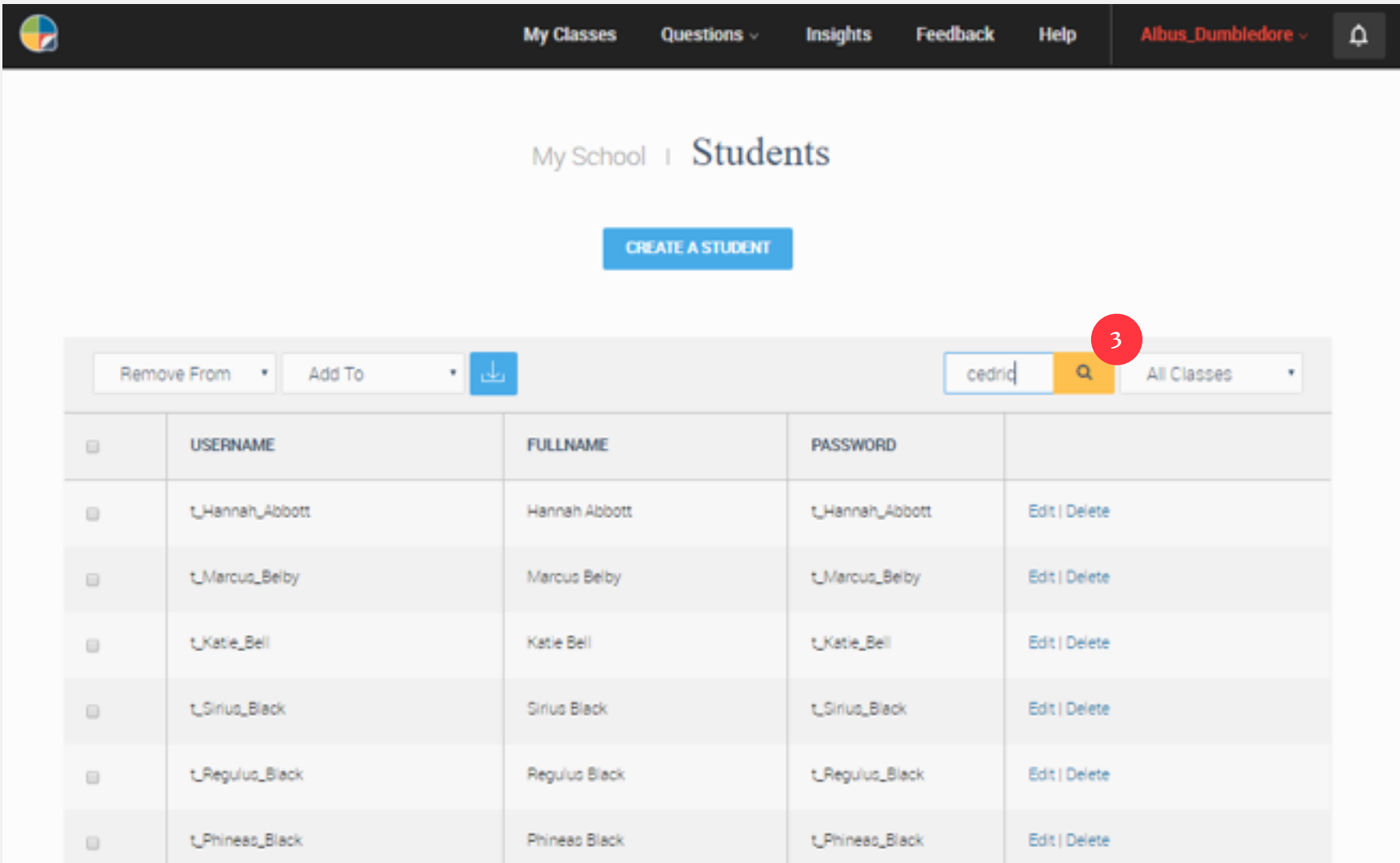
1 On your dashboard, scroll down and click on “Students” on the right-hand side



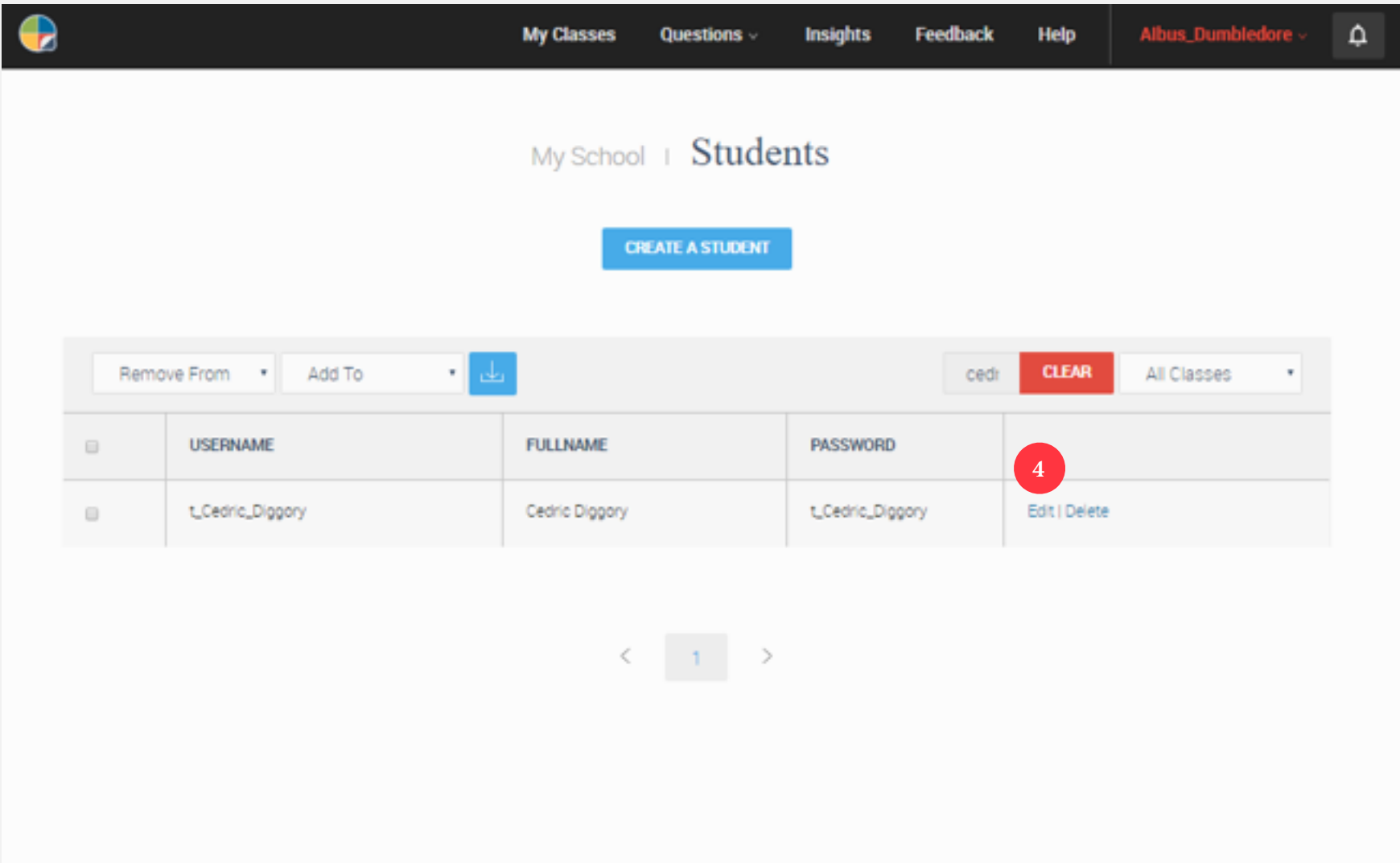
2 This will take you to a page where all the students in your school are listed in alphabetical order based on their surname

# How do I find a student's username and password?

I know you will find this hard to believe, but sometimes a student might just have forgotten their username and password. I know, ridiculous, right? If that is the case, then all you need to do is:



3 Find the students you want either by filtering by class or by a name search, both available on the top-right



4 This will reveal the student's username. But what about their password? Well, when you have found the student, click on "Edit"

# How do I find a student's username and password?

I know you will find this hard to believe, but sometimes a student might just have forgotten their username and password. I know, ridiculous, right? If that is the case, then all you need to do is:

A screenshot of a student profile page. The form includes fields for First Name (Cedric), Last Name (Diggory), Email (sam+t34@mathsdoctor.tv), Gender (Unspecified), Date of Birth, and Time Zone ((UTC) Dublin, Edinburgh, Lisbon, London). Below these are checkboxes for classes: Dark Arts, Gryffindor, Hufflepuff, Ravenclaw, and Slytherin. At the bottom, there are three buttons: 'UPDATE' (blue), 'RESET PASSWORD' (blue), and 'CANCEL' (blue). A red circle with the number '5' is placed over the 'RESET PASSWORD' button.

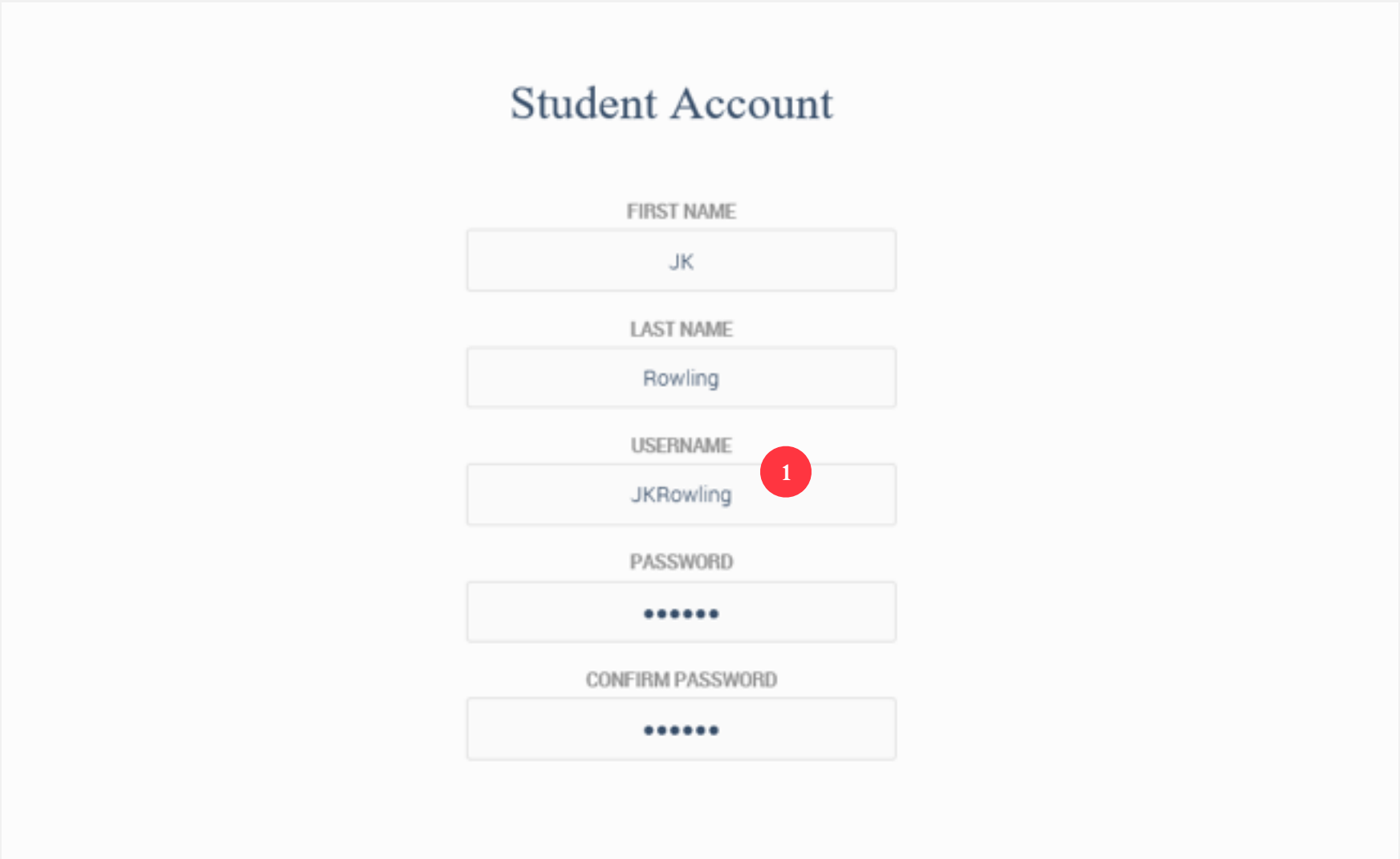
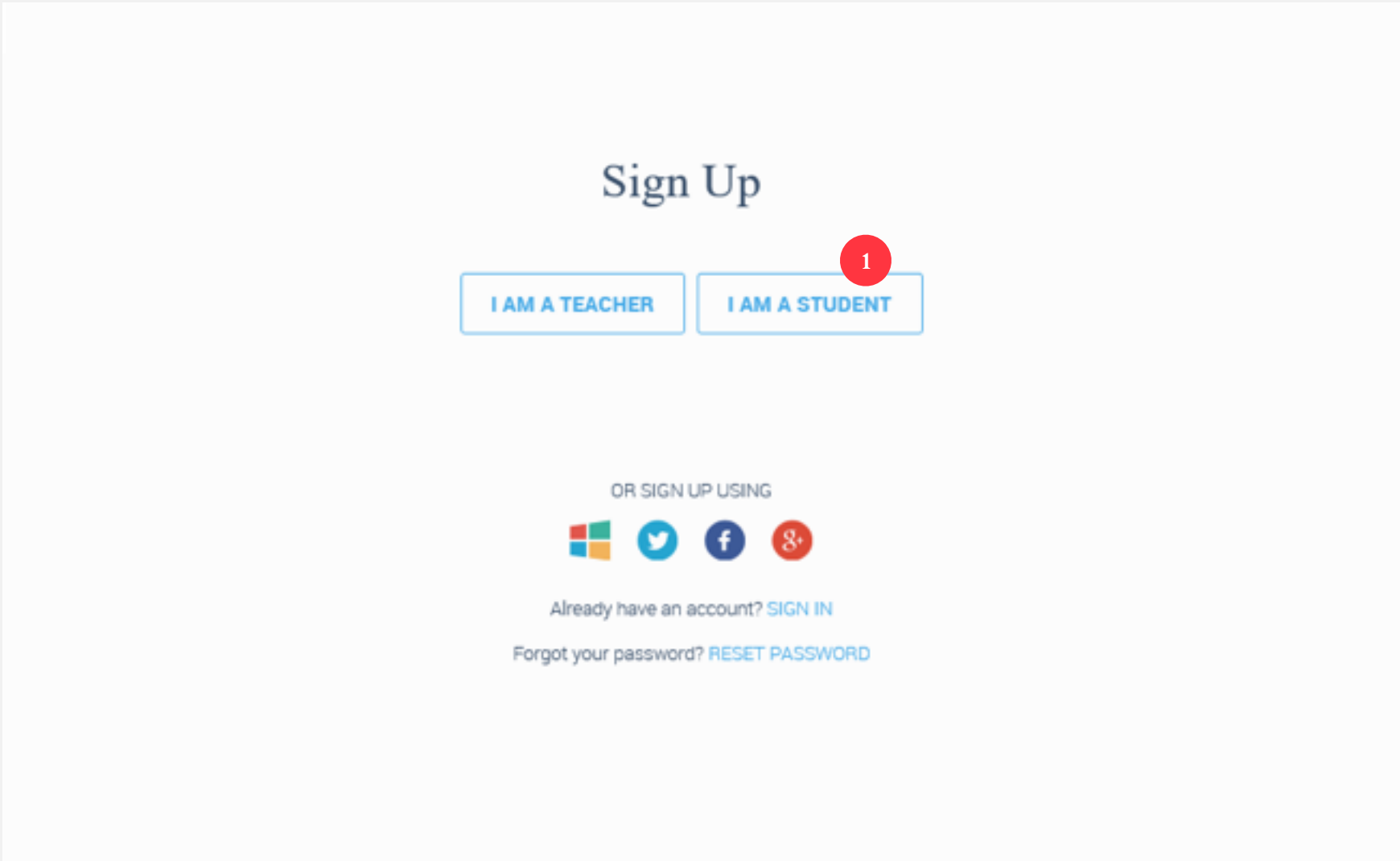
- 5 On this page you can do a whole host of things, including move them to another class. But at the bottom of the page, you will see “Reset Password”

A screenshot of a 'Reset Student Password' page. The page has a dark header with navigation links: 'My Classes', 'Questions', 'Insights', 'Feedback', 'Help', and a user profile 'Albus\_Dumbledore'. The main content area shows the student's name 'Cedric Diggory' and a 'PASSWORD' field containing 't\_Cedric\_Diggory'. Below the password field are two buttons: 'RESET PASSWORD' (orange) and 'CANCEL' (orange). A red circle with the number '6' is placed over the password input field.

- 6 Choose a new password, tell the student, and crisis over!

# How do I add new students?

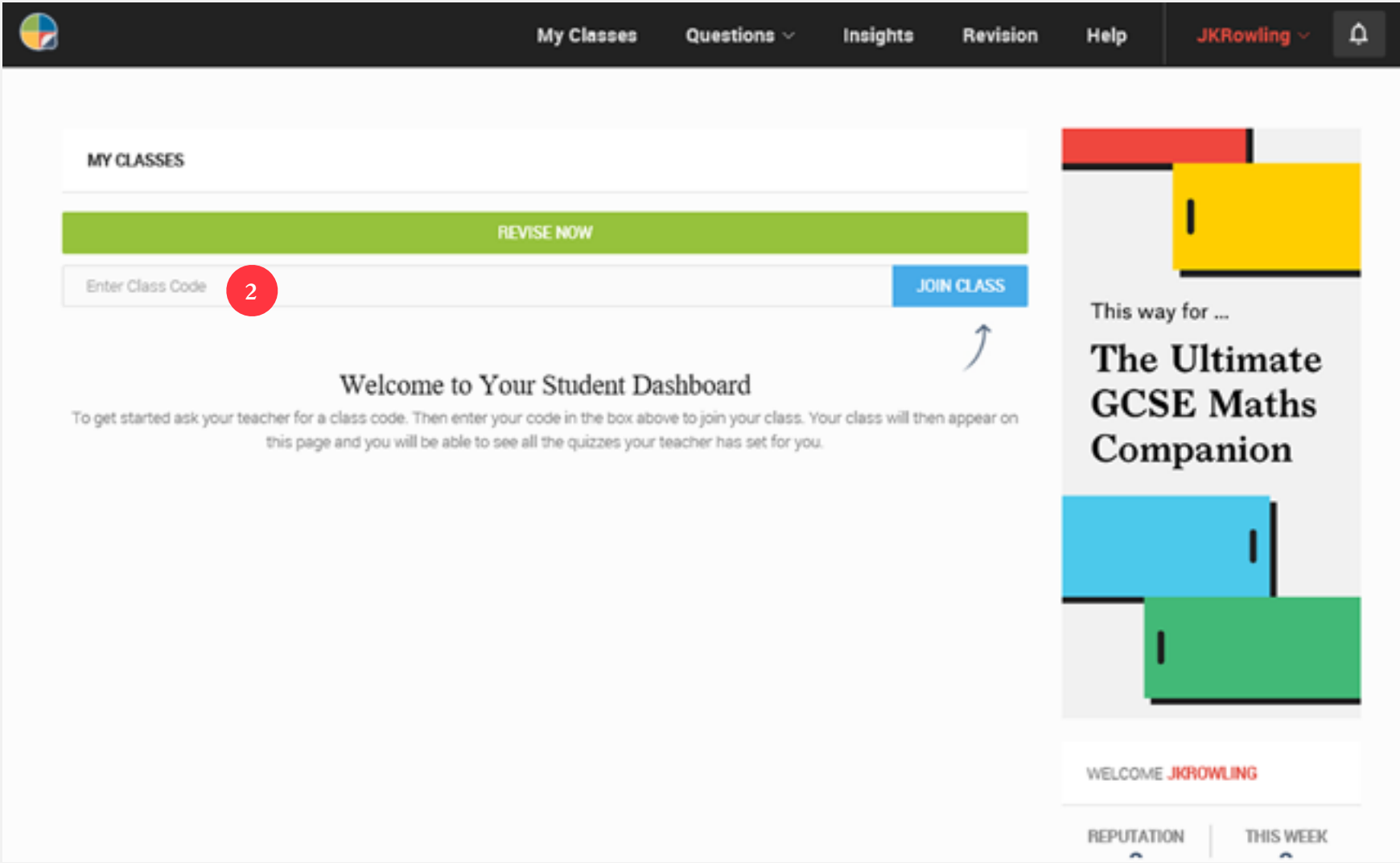
With a whole new crop of students having joined your school, you don't want them feeling left out. So, follow these steps to get them on the system:



- 1 Simply get your students to sign up to the system using their school email address and either a username of their choice, or direct them to enter the one they use for other systems such as Moodle, MyMaths or Show My Homework

# How do I add new students?

With a whole new crop of students having joined your school, you don't want them feeling left out. So, follow these steps to get them on the system:

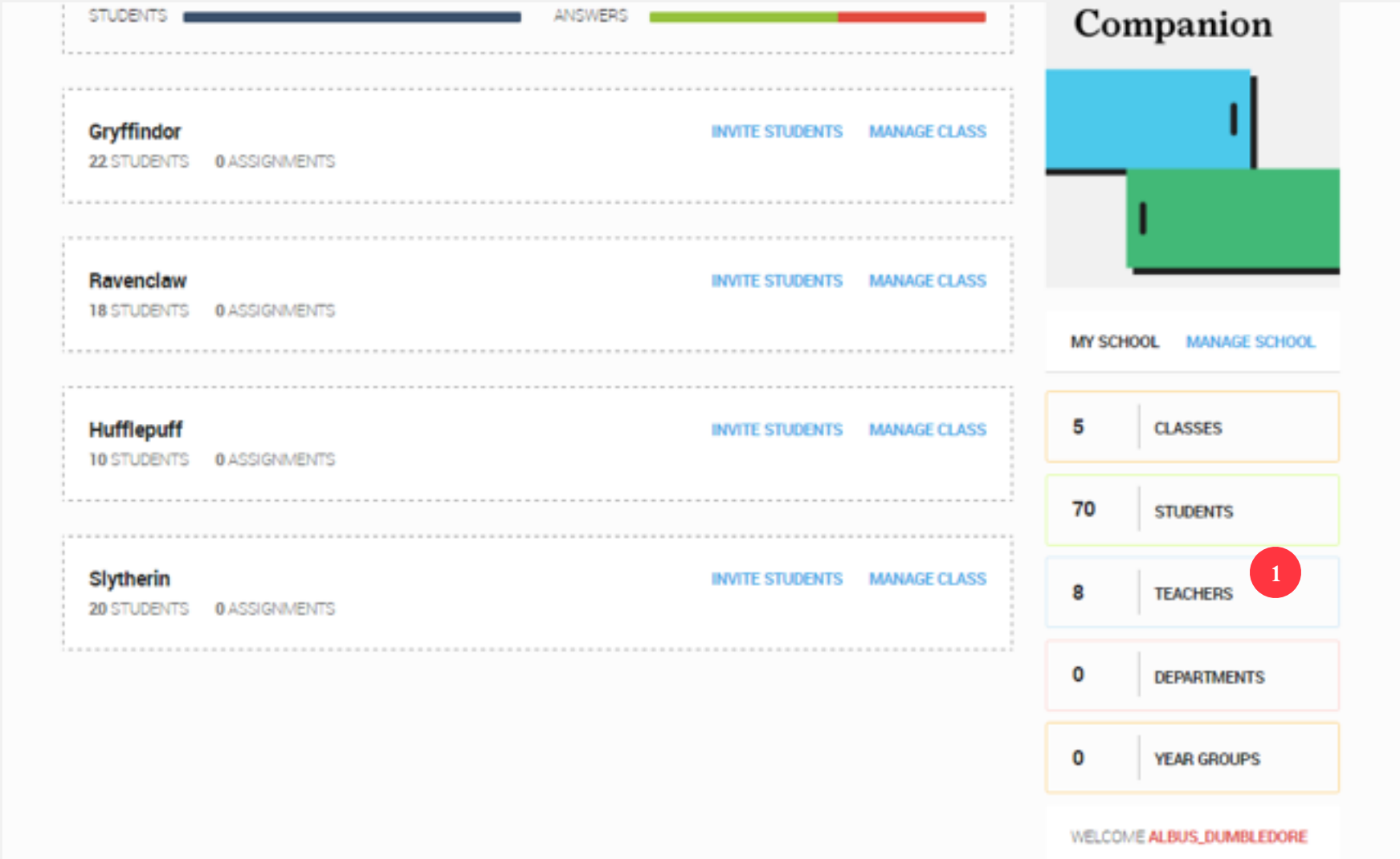


- 2 When they have registered, students are promoted to enter in their class code

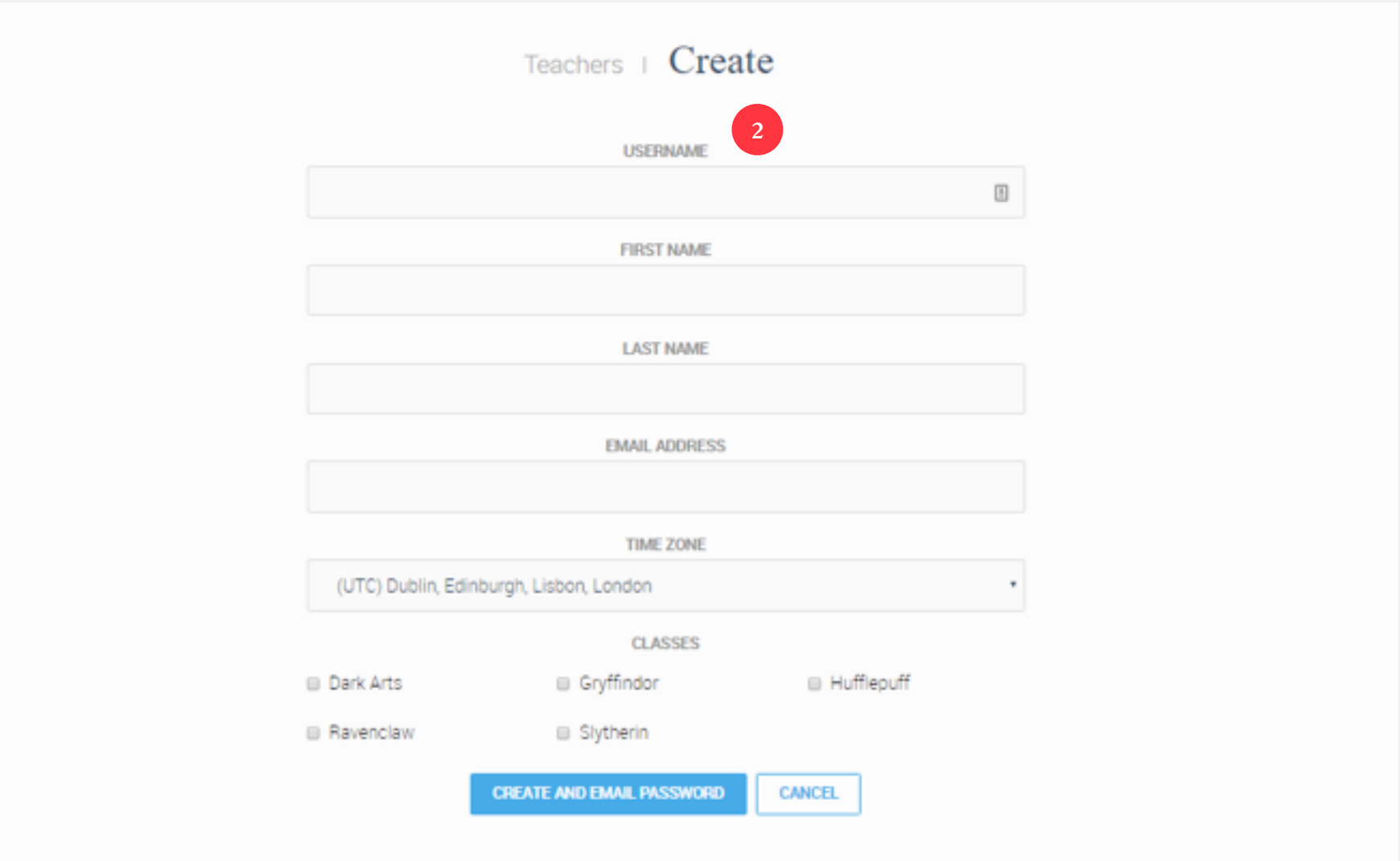
I know what you are wondering... can a student belong to more than one class, such as a revision class or an intervention class? Of course they can! Just create a new class using the instructions above, and get the student to enter in that class invite code.

# How do I add a new teacher?

Did you know, some teachers are not registered on our system? They have never lived! Well, help them see the light by following these steps:



- 1 On the My Classes page, scroll down the page, find “Teachers” on the right-hand side and give it a click



- 2 Here you can either Create a Teacher, by entering all their details...

# How do I add a new teacher?

Did you know, some teachers are not registered on our system? They have never lived! Well, help them see the light by following these steps:

My ClassesQuestionsInsightsFeedbackHelp

Albus\_Dumbledore

My School | Teachers

CREATE A TEACHER

Invite teachers by sending them this school access code: **HZRSHECZ**

USERNAME	EMAIL	STATUS	
Albus_Dumbledore	sam+t8@mathdoctor.tv	ADMINISTRATOR	Edit   Delete
Pomona_Sprout	sam+t7@mathdoctor.tv	CONFIRMED	Edit   Delete
Minerva_McGonagall	sam+t6@mathdoctor.tv	CONFIRMED	Edit   Delete
Filius_Flitwick	sam+t5@mathdoctor.tv	CONFIRMED	Edit   Delete
Severus_Snape	sam+t4@mathdoctor.tv	CONFIRMED	Edit   Delete
Gilderoy_Lockhart	sam+t3@mathdoctor.tv	CONFIRMED	Edit   Delete
Dolores_Umbridge	sam+t2@mathdoctor.tv	CONFIRMED	Edit   Delete

3 ...or Invite a Teacher, which will generate a school access code, which works exactly the same way as class invite codes do for students

Teacher Account

USERNAME

BadPotter

PASSWORD

.....

CONFIRM PASSWORD

.....

EMAIL ADDRESS

badpotter@potter.com

☒ Send me updates on new features (you can unsubscribe at any time)

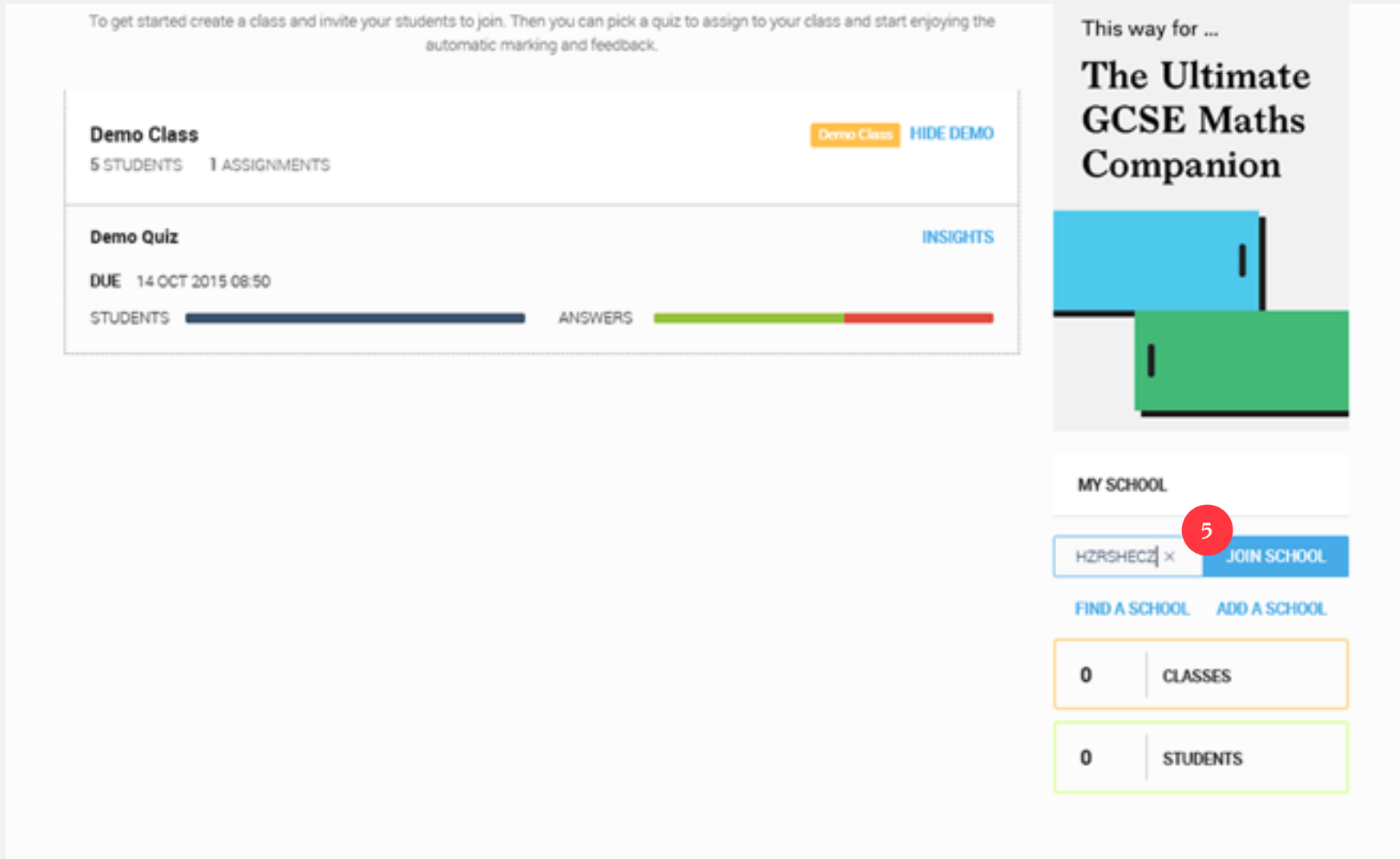
CREATE YOUR TEACHER ACCOUNT

4 If you choose the latter option, the teacher in question will need to register with the site...



# How do I add a new teacher?

Did you know, some teachers are not registered on our system? They have never lived! Well, help them see the light by following these steps:

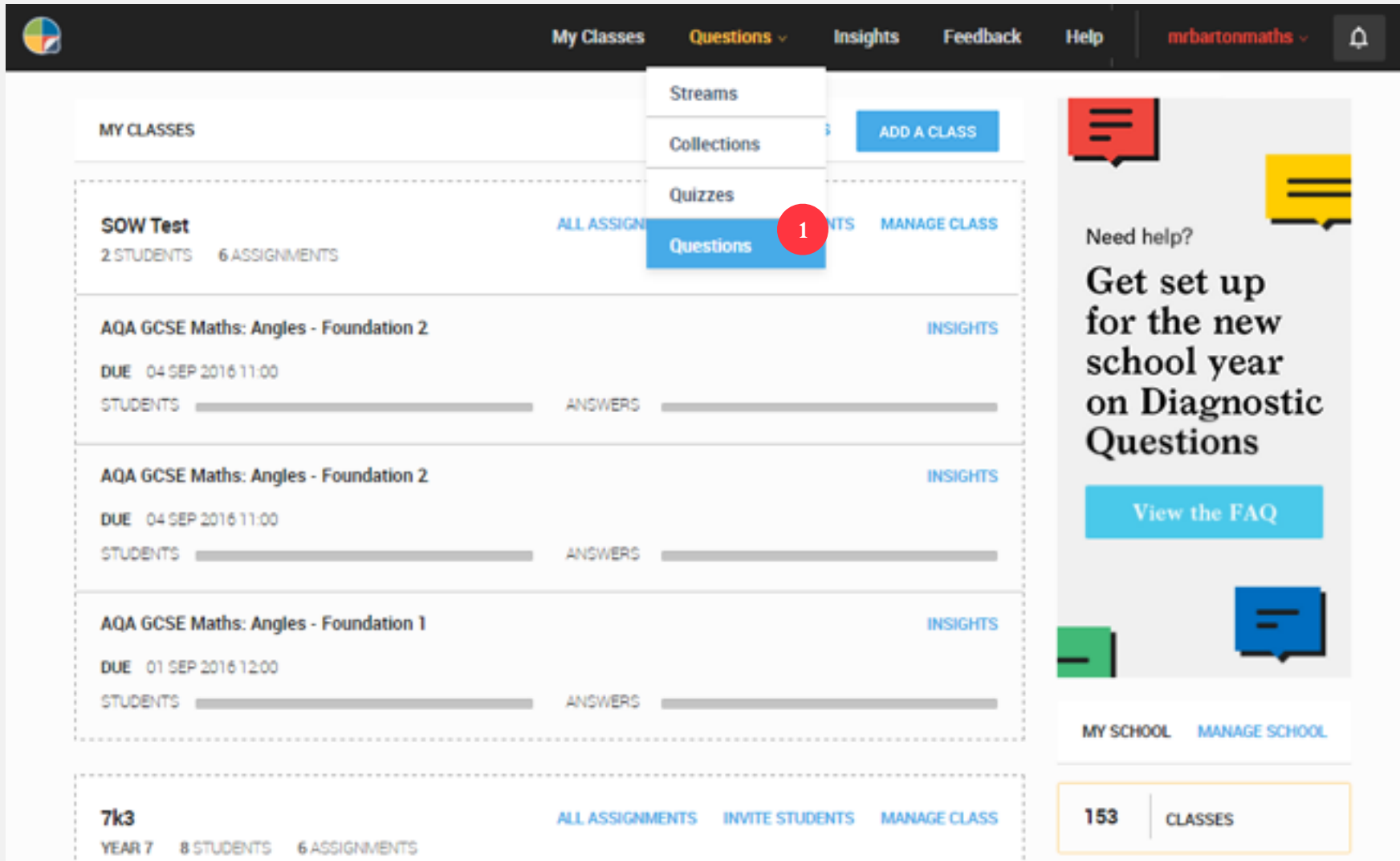


- 5 ...and then scroll down the page, look at the right-hand side, and enter in the school access code

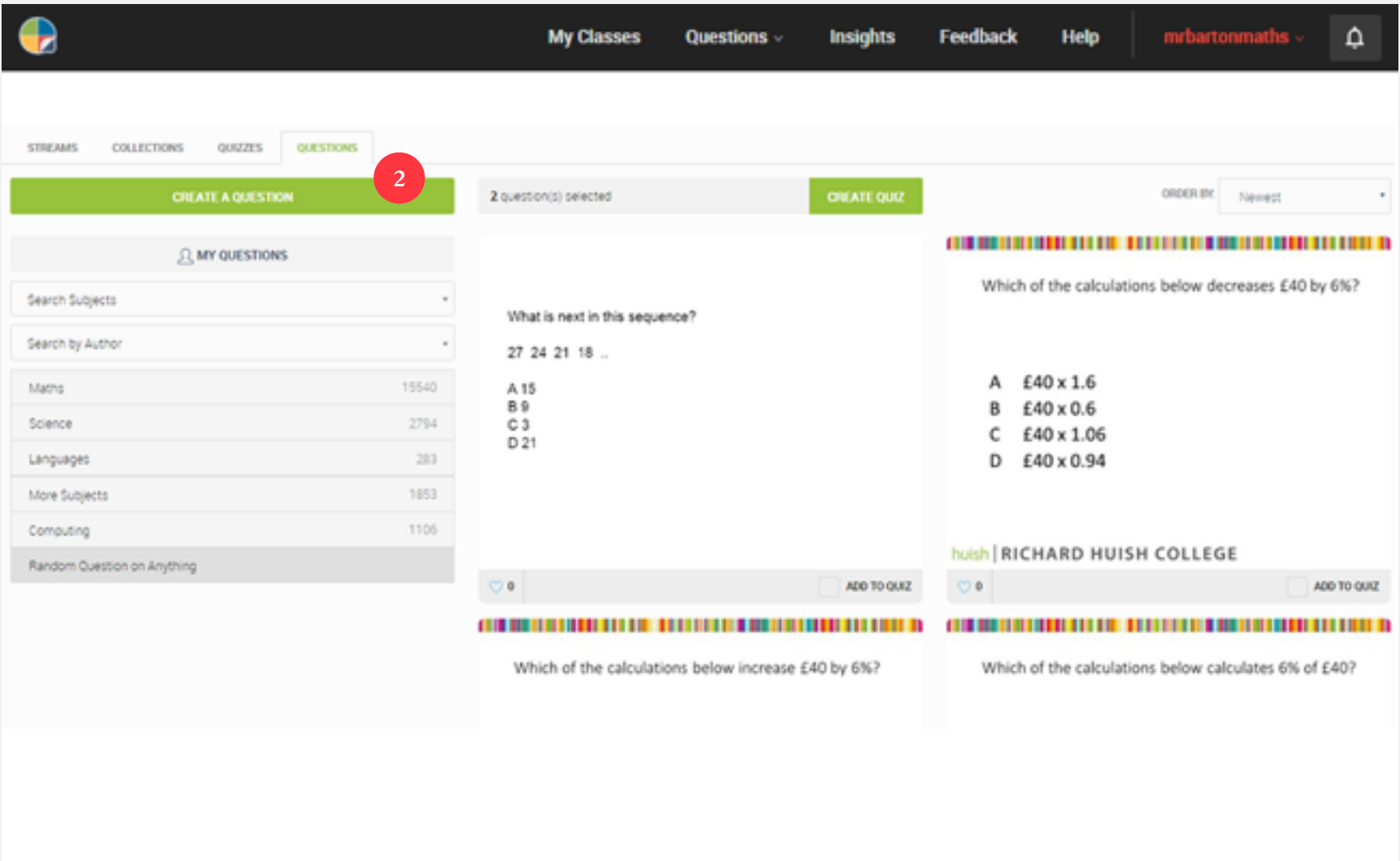


# How do I create a question?

Without good questions, we would not have much of a website. Fortunately, we have thousands of them, but there is always room for more! Please visit [our guide](#) about what makes a good question.



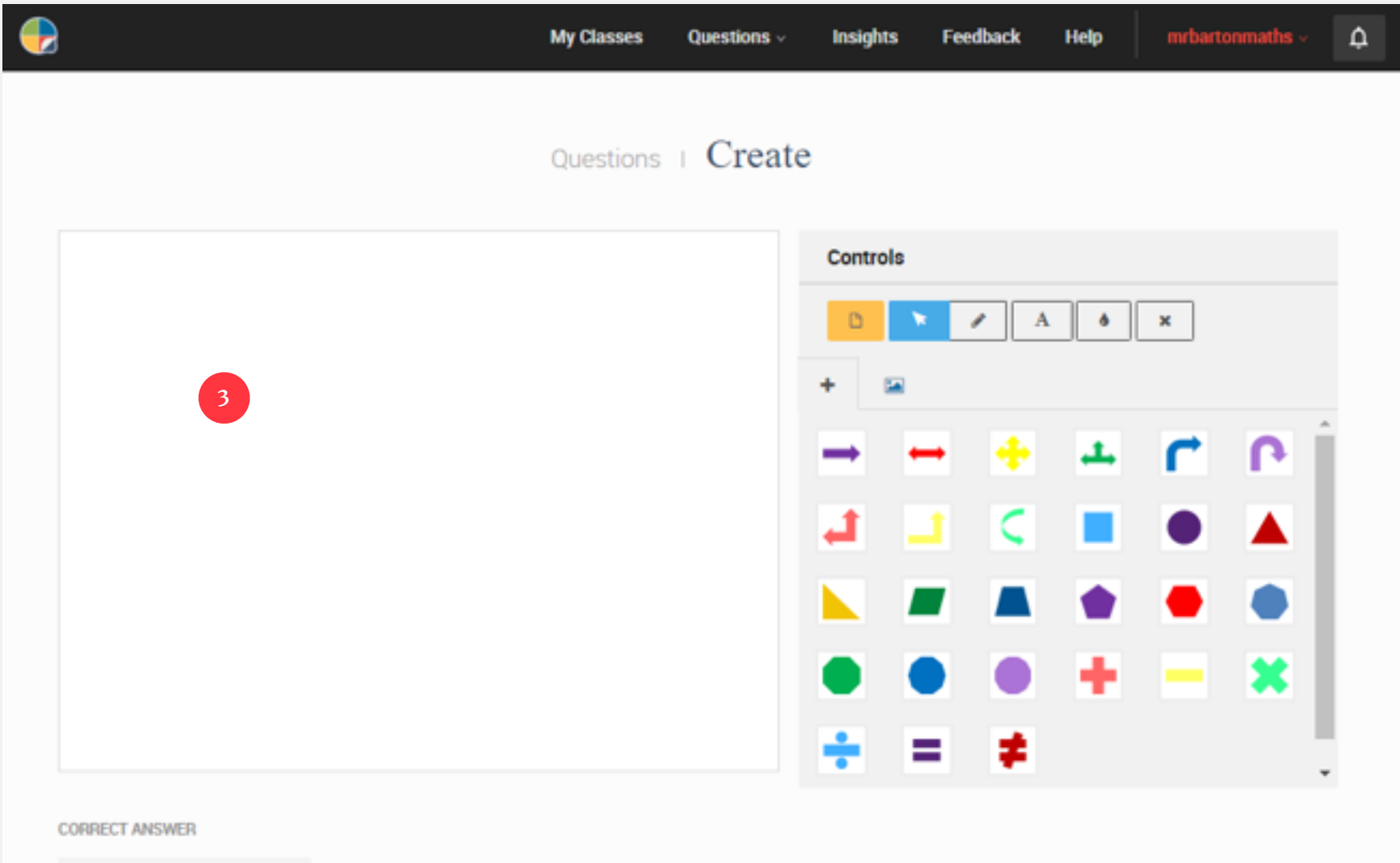
- 1 From the Dashboard, click on “Questions” in the top toolbar, and choose “Questions” from the drop-down menu



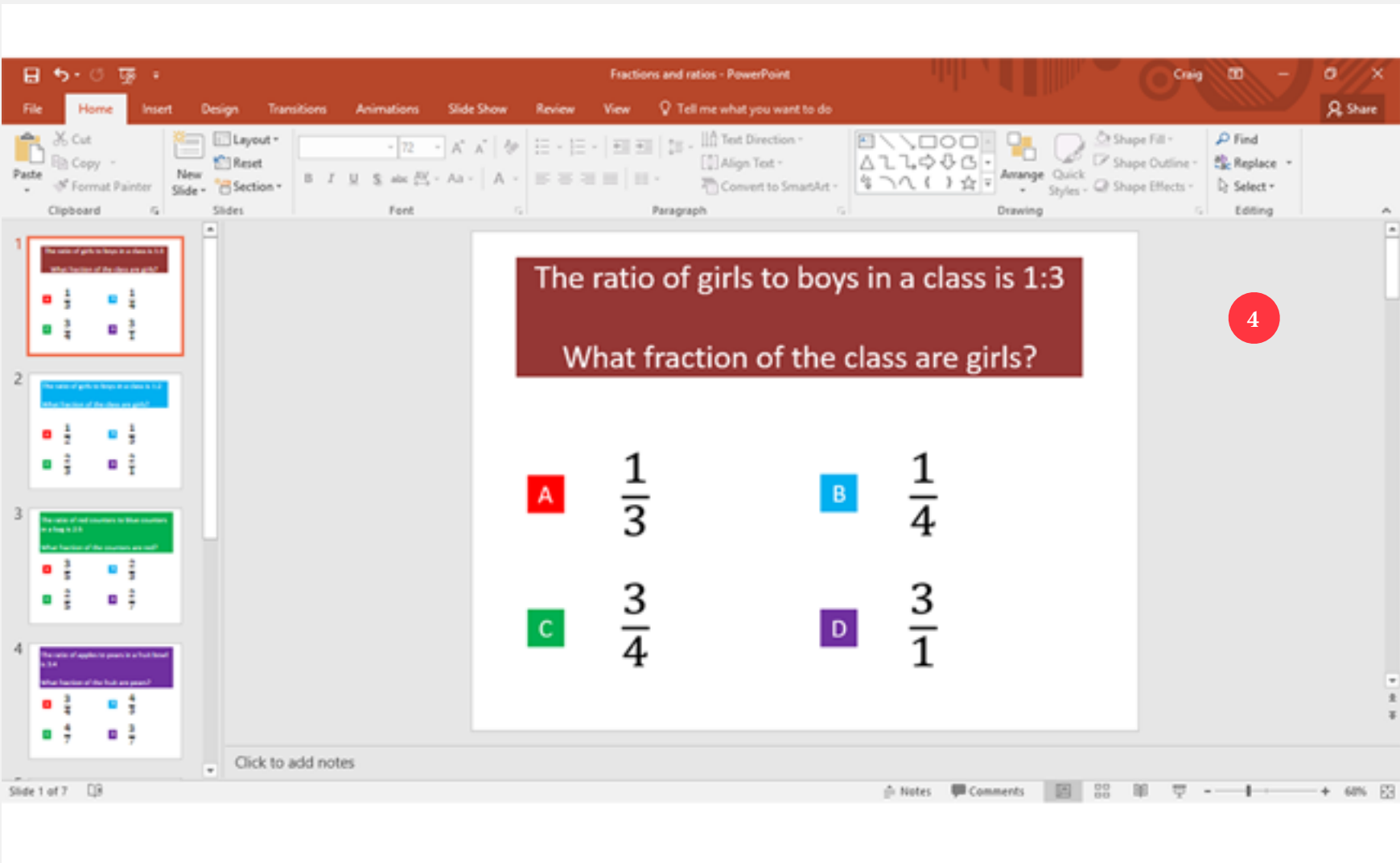
- 2 Now click on “Create a Question”

# How do I create a question?

Without good questions, we would not have much of a website.  
Fortunately, we have thousands of them, but there is always room for more! Please visit [our guide](#) about what makes a good question.



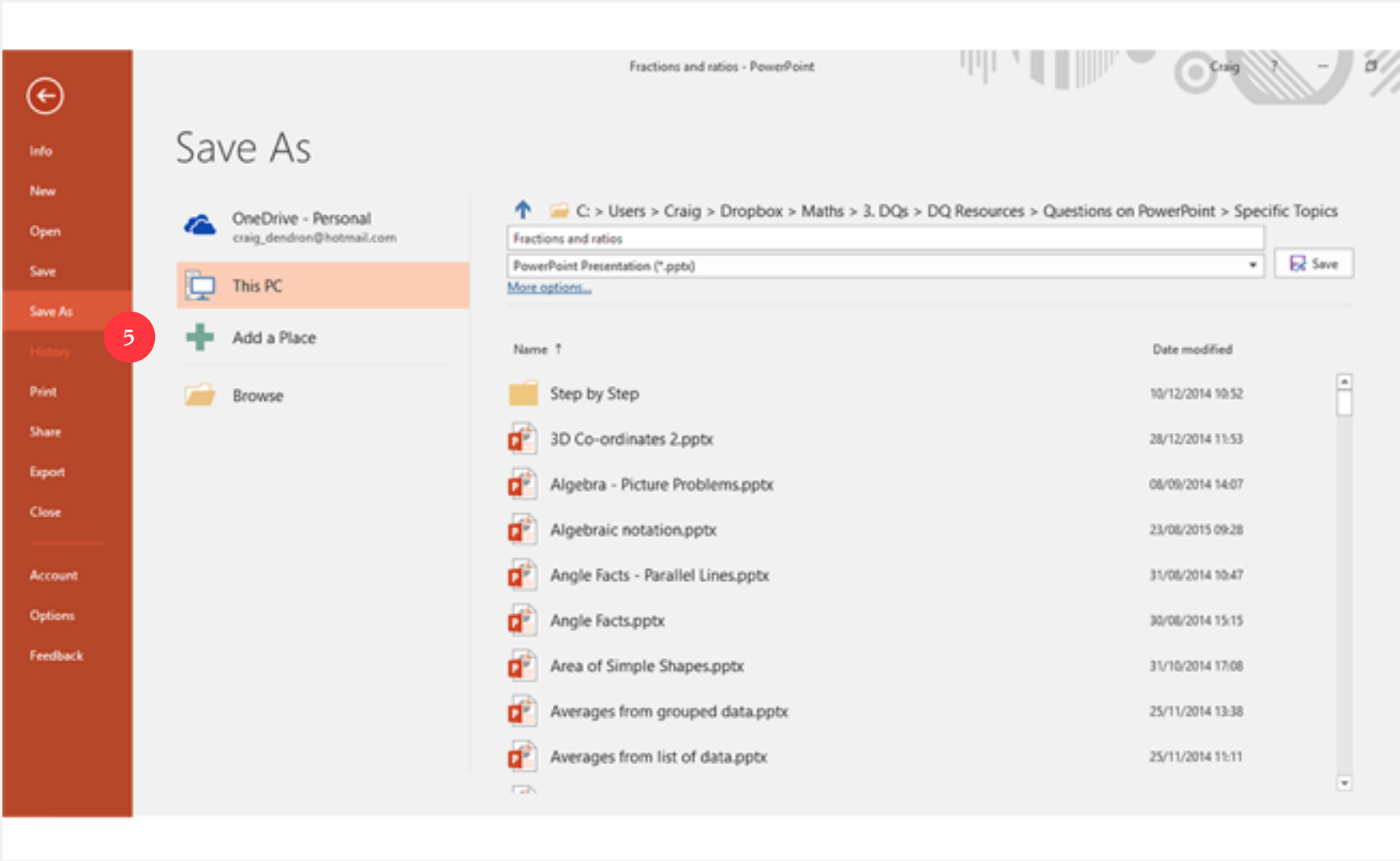
- 3 You now have a lovely, clear white canvas, that is just crying out for a beautiful question



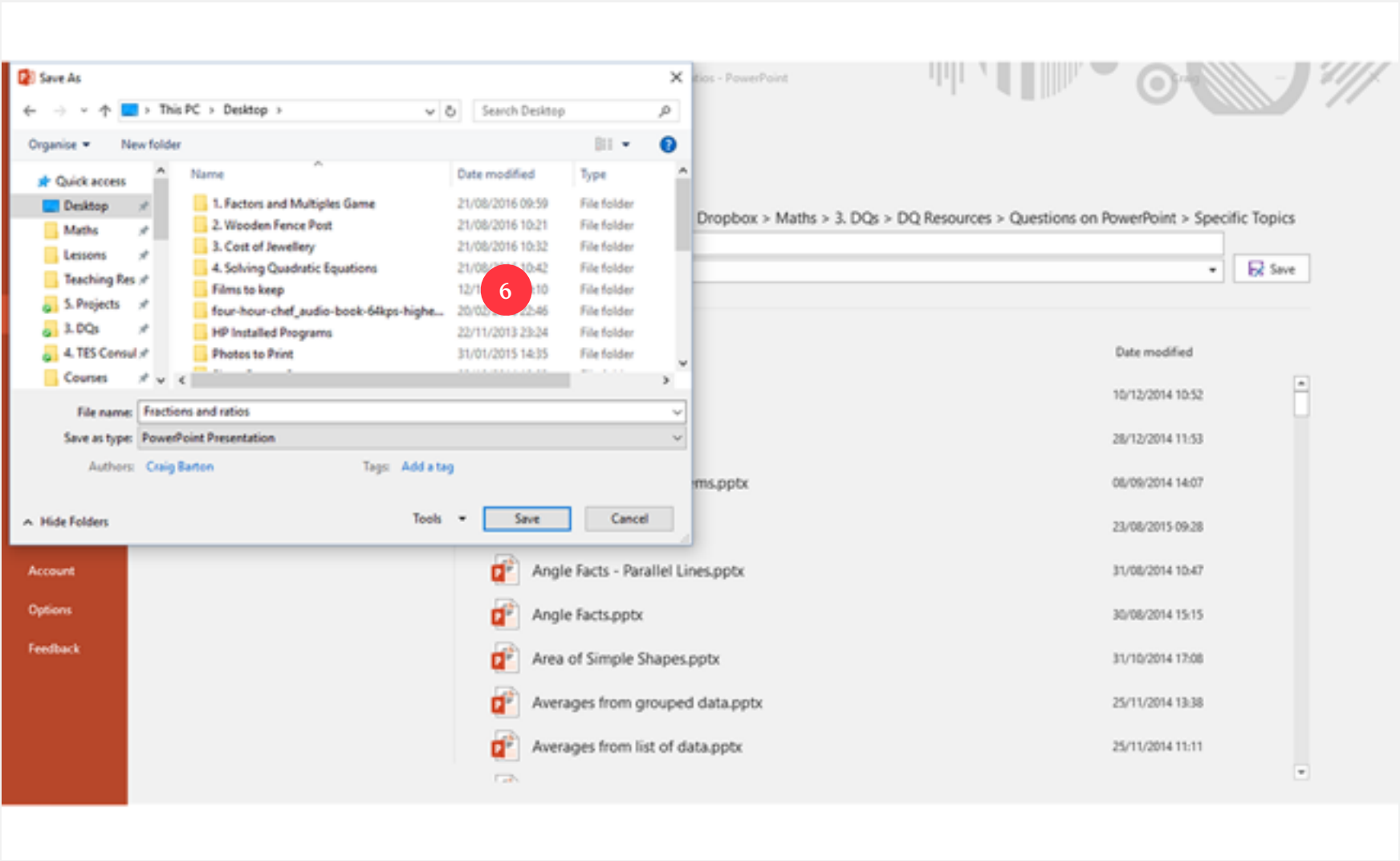
- 4 My preferred way of creating questions is to write them in PowerPoint first

# How do I create a question?

Without good questions, we would not have much of a website.  
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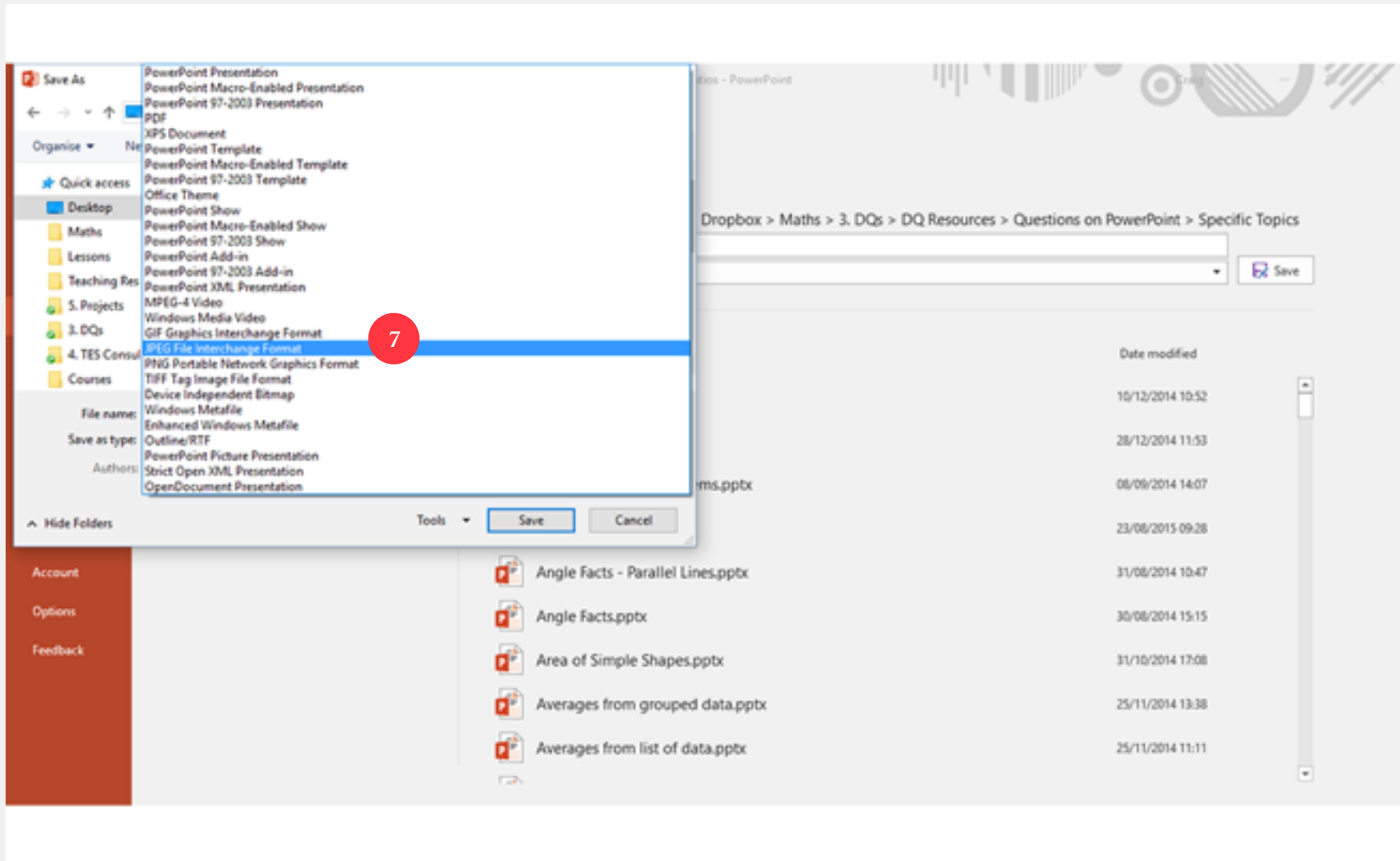
5 And then click on “Save As”



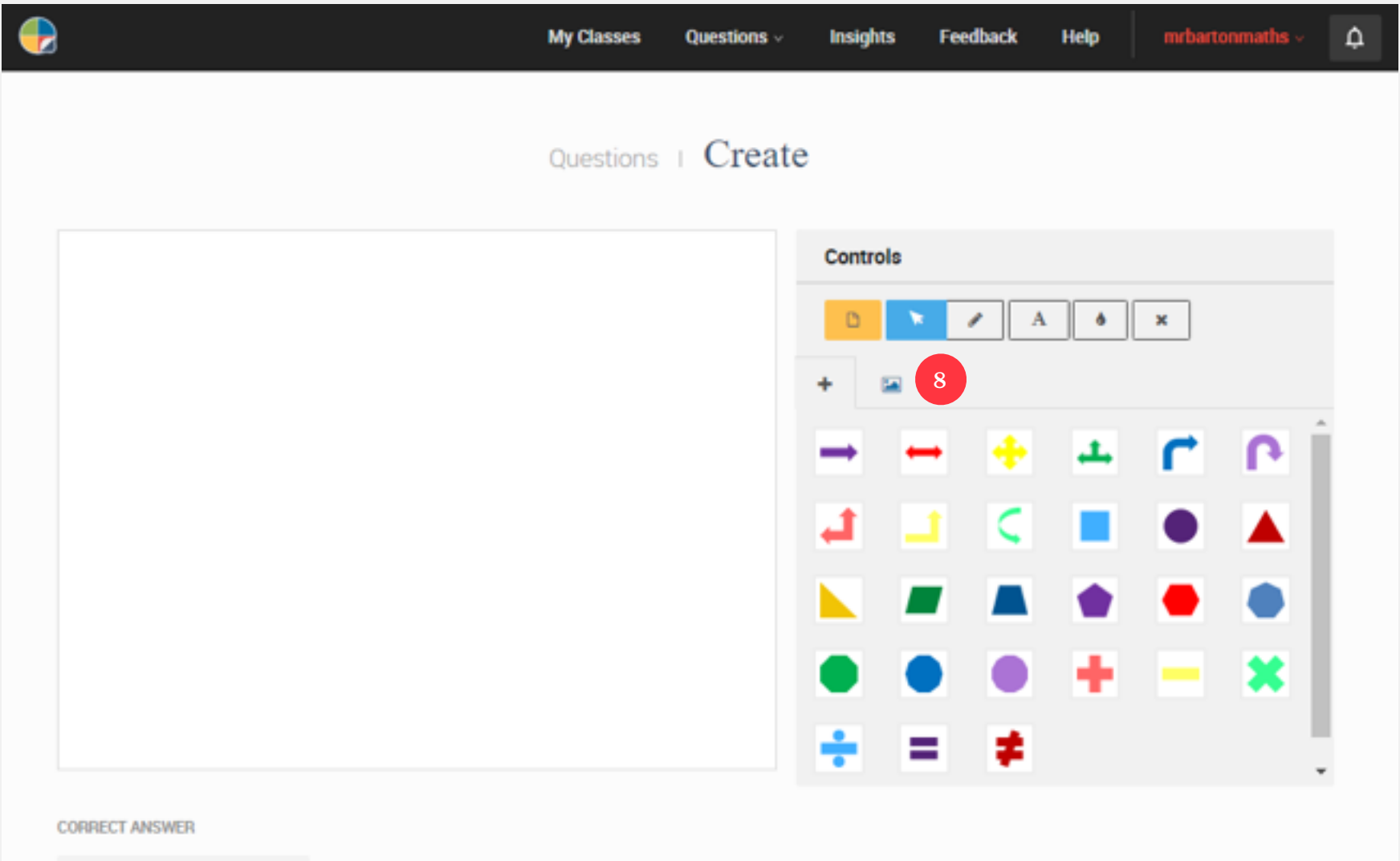
6 Choose where you want to save it

# How do I create a question?

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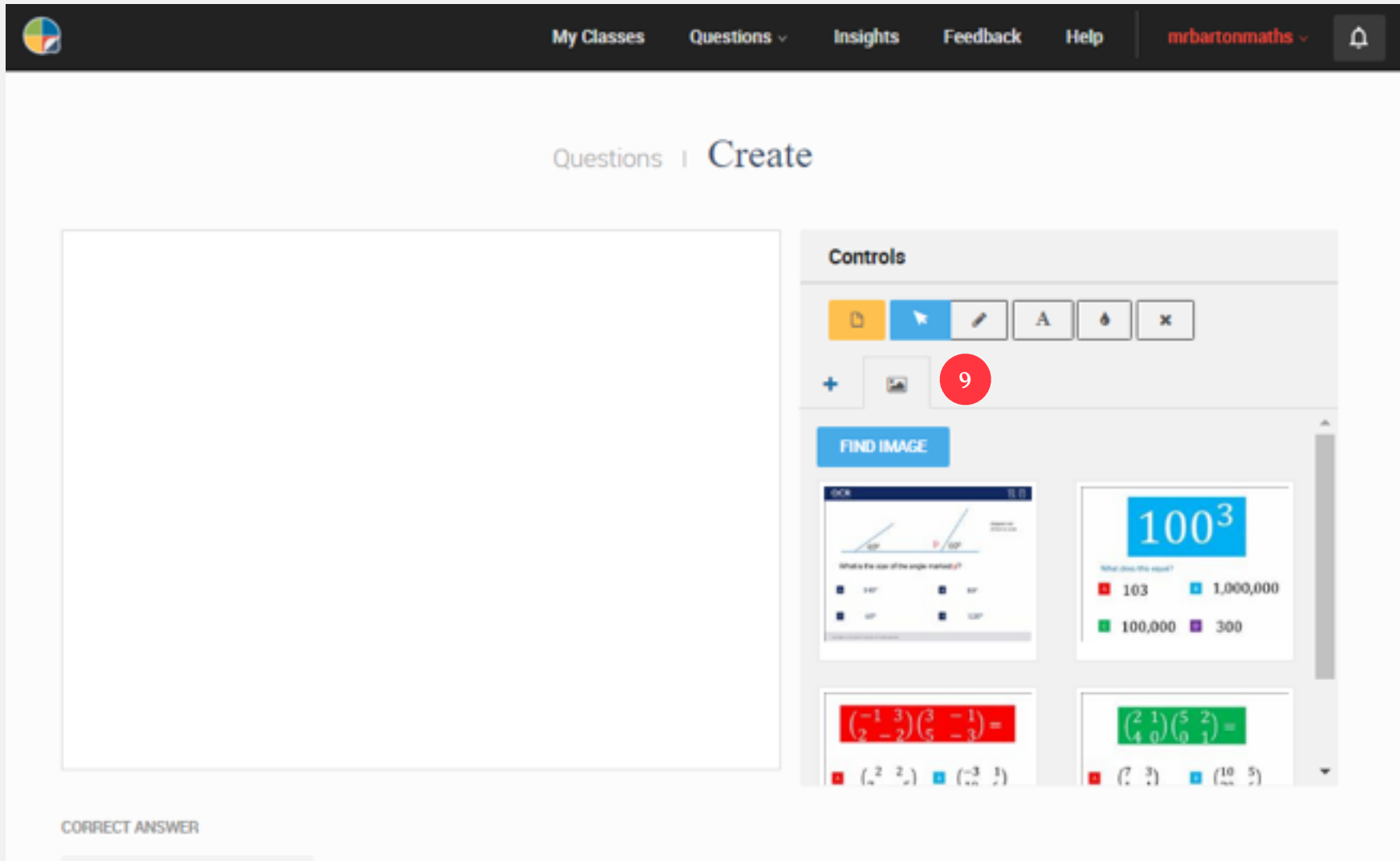
7 But choose jpeg from the file type drop-down menu. This will not only save the slide you are working on as an image, but also give you the option to save all the slides in your presentation and single images. Thank you Microsoft!



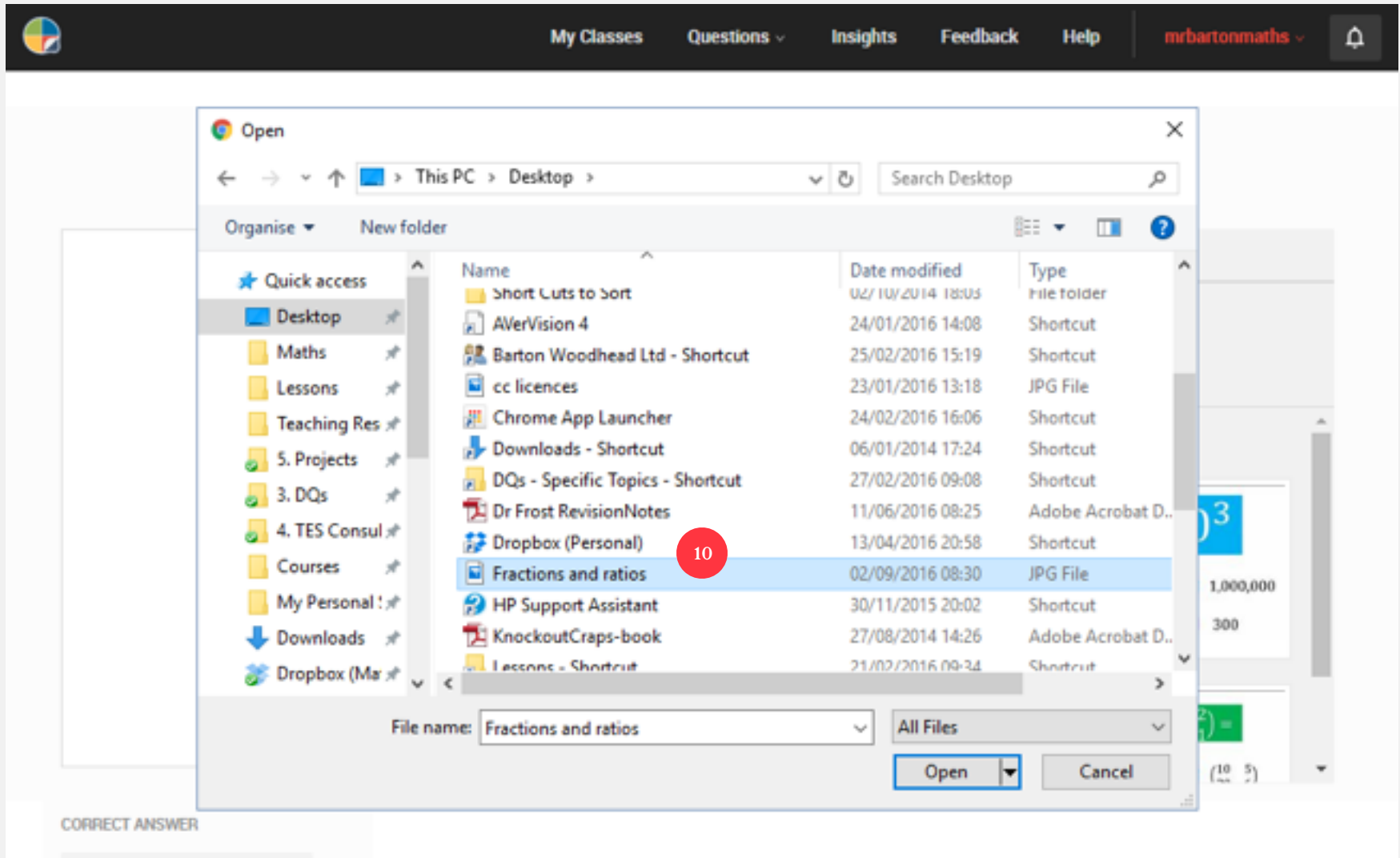
8 Now, return to Diagnostic Questions, and click on the “Insert Image” symbol

# How do I create a question?

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Fortunately, we have thousands of them, but there is always room for more! Please visit [our guide](#) about what makes a good question.



9 And then click “Find Image”

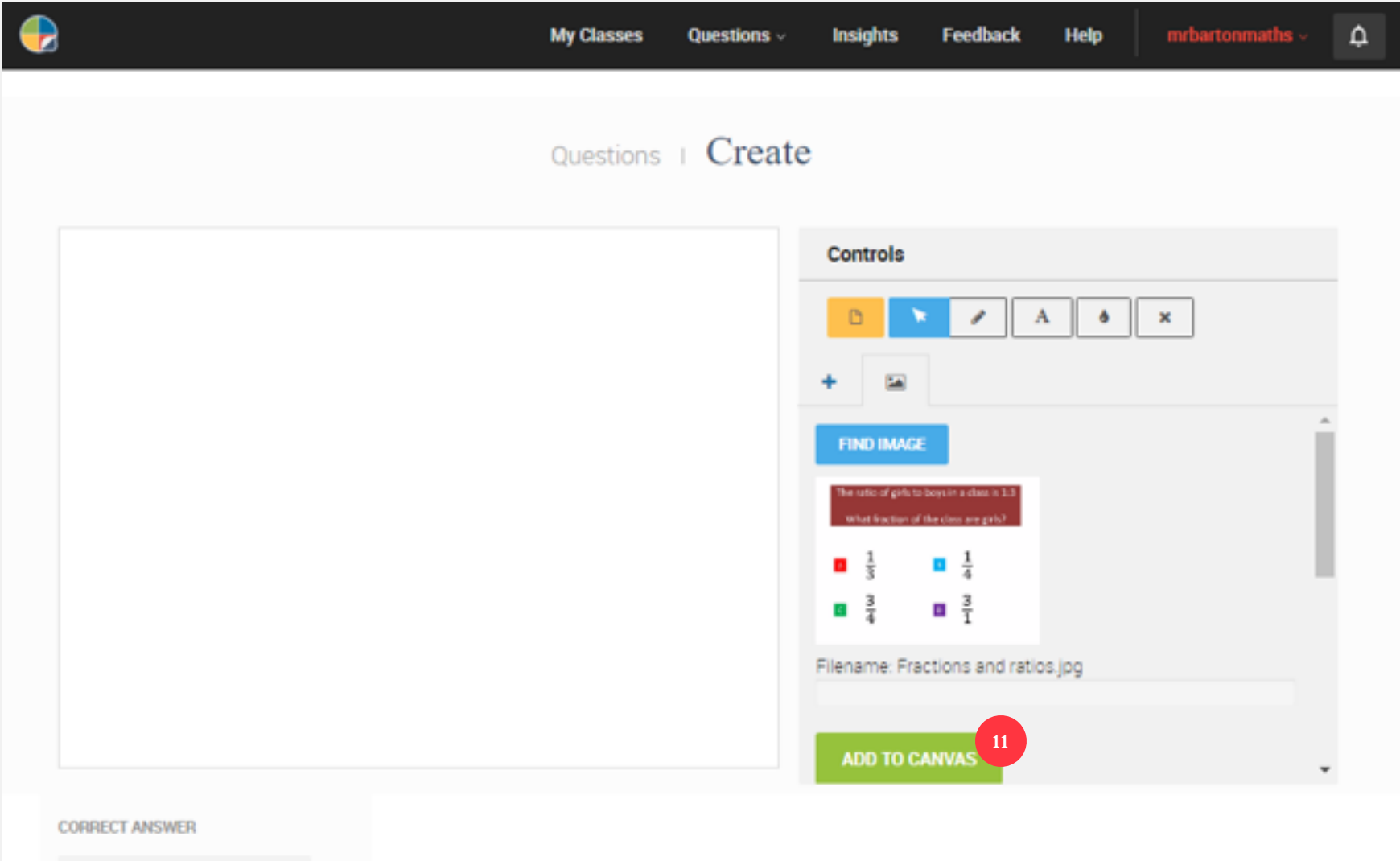


10 Locate where you saved your image

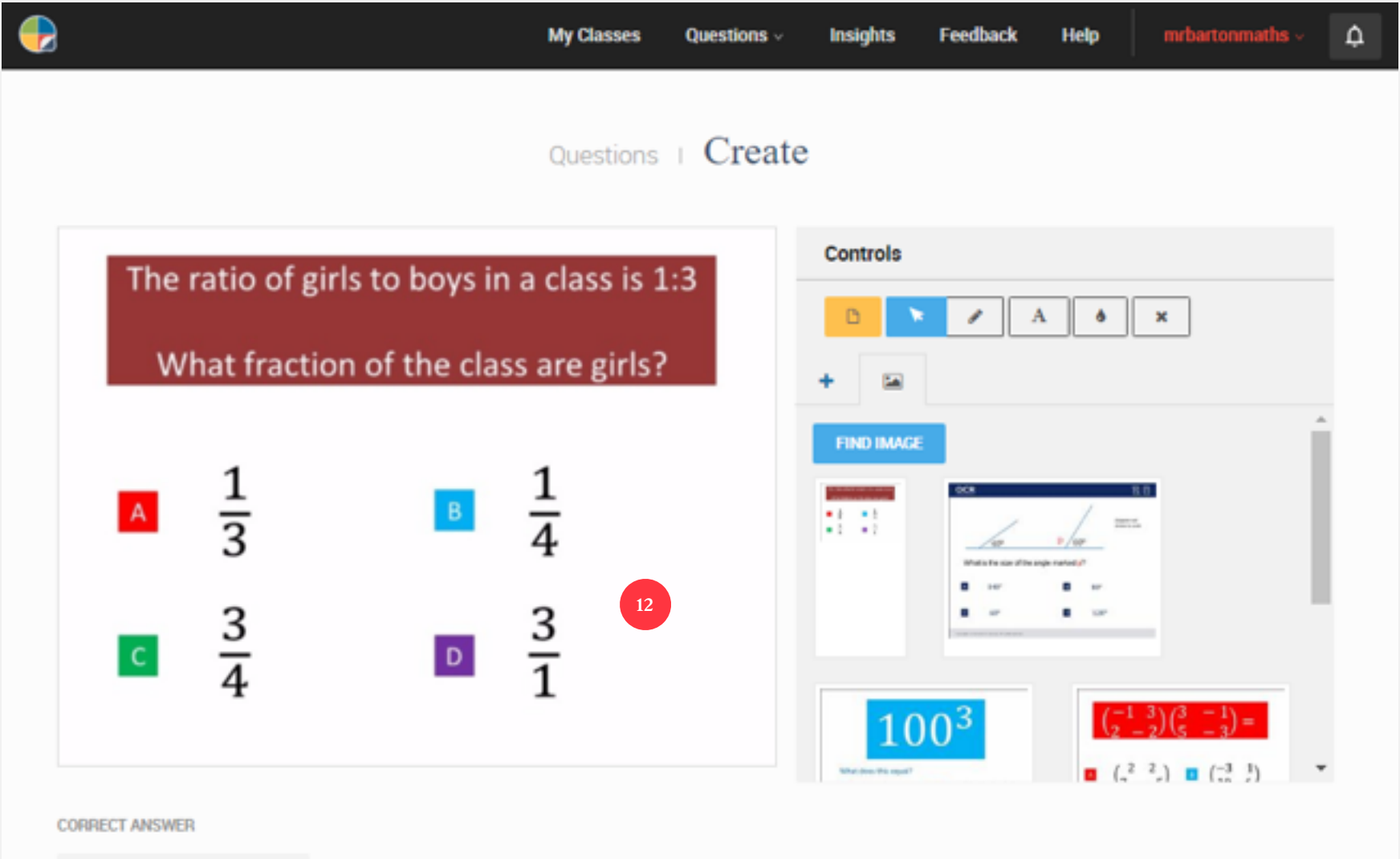


# How do I create a question?

Without good questions, we would not have much of a website. Fortunately, we have thousands of them, but there is always room for more! Please visit [our guide](#) about what makes a good question.



11 Click on “Open”, and then “Add to Canvas”

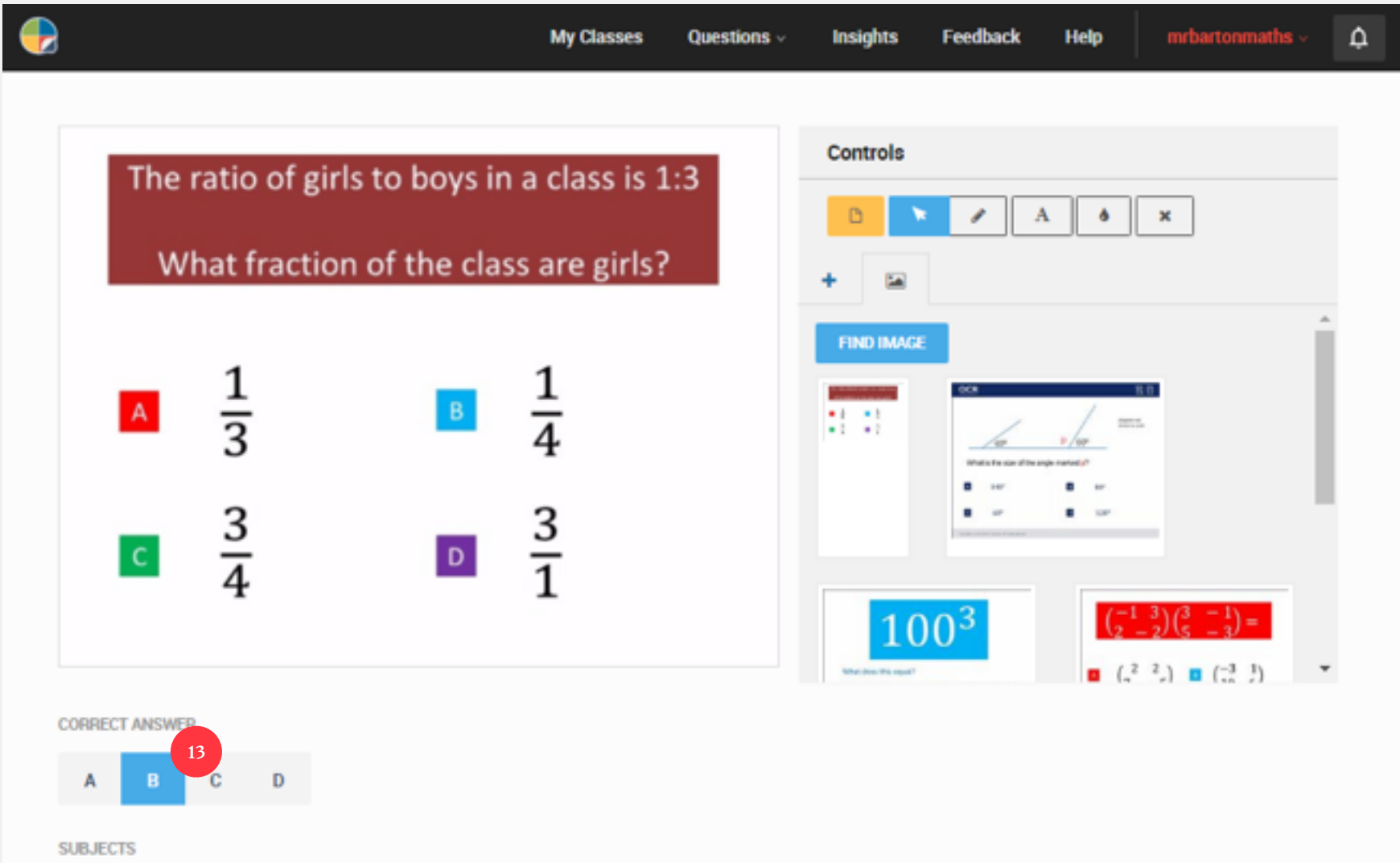


12 You now have a lovely question!

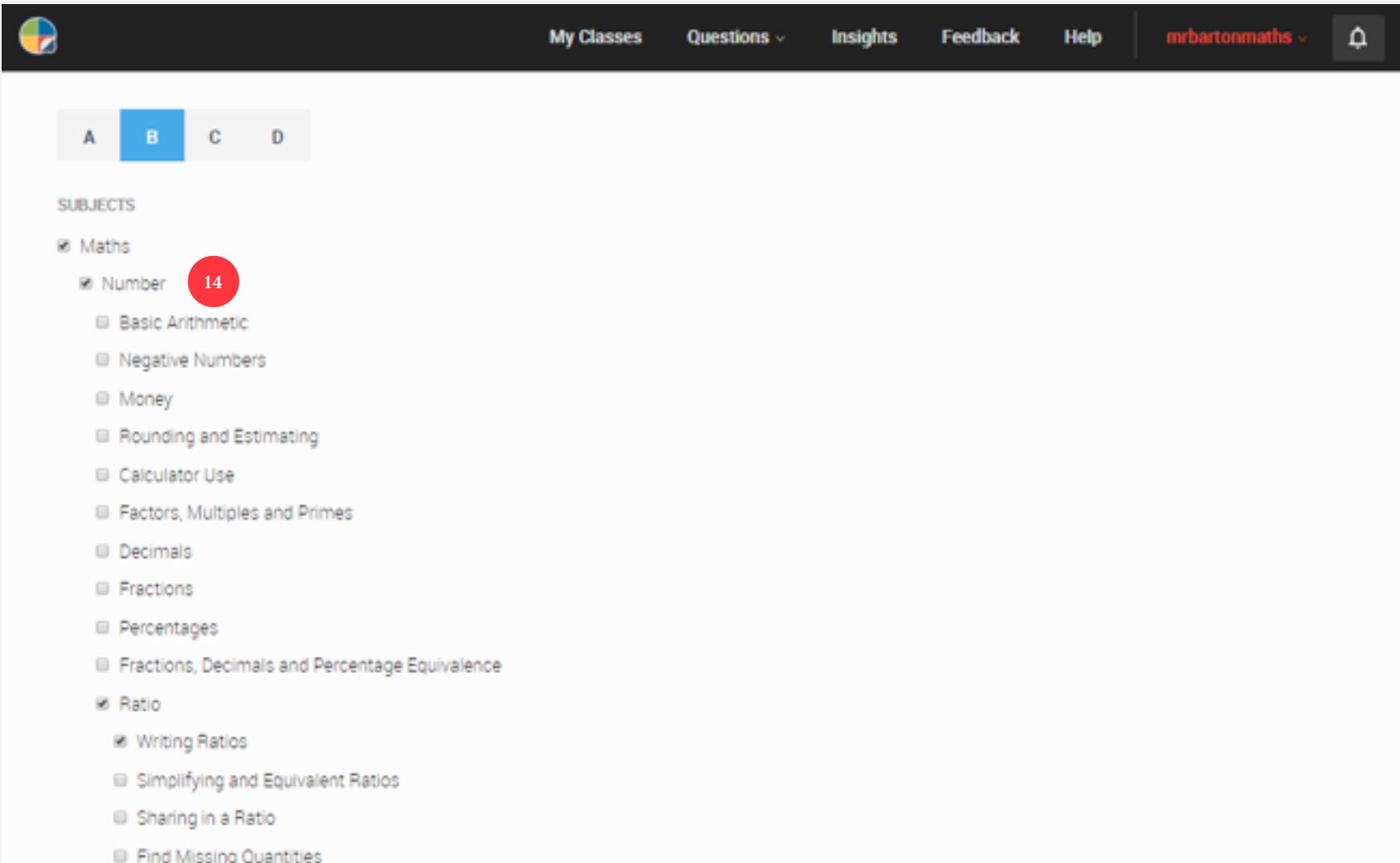


# How do I create a question?

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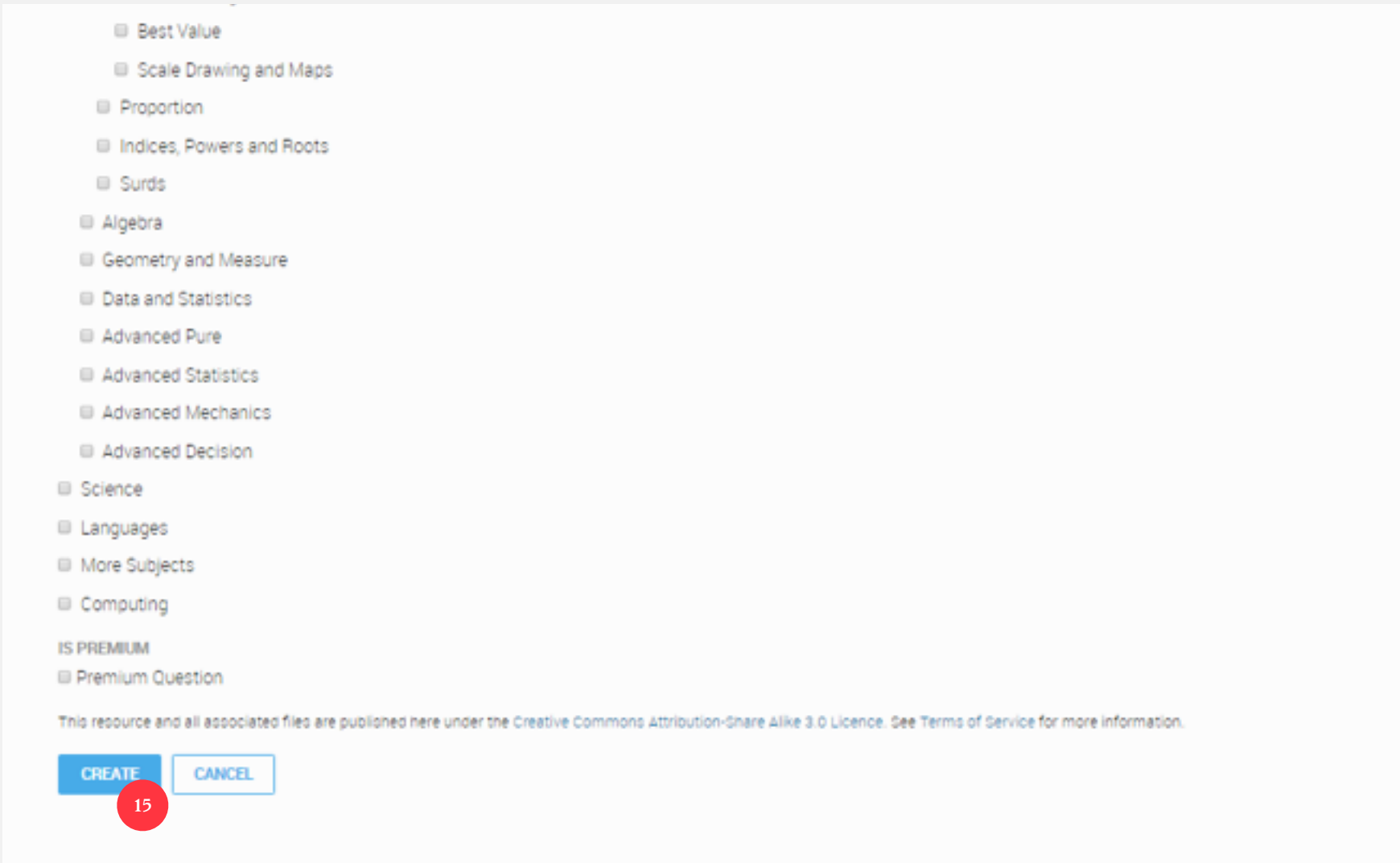
13 Choose the correct answer



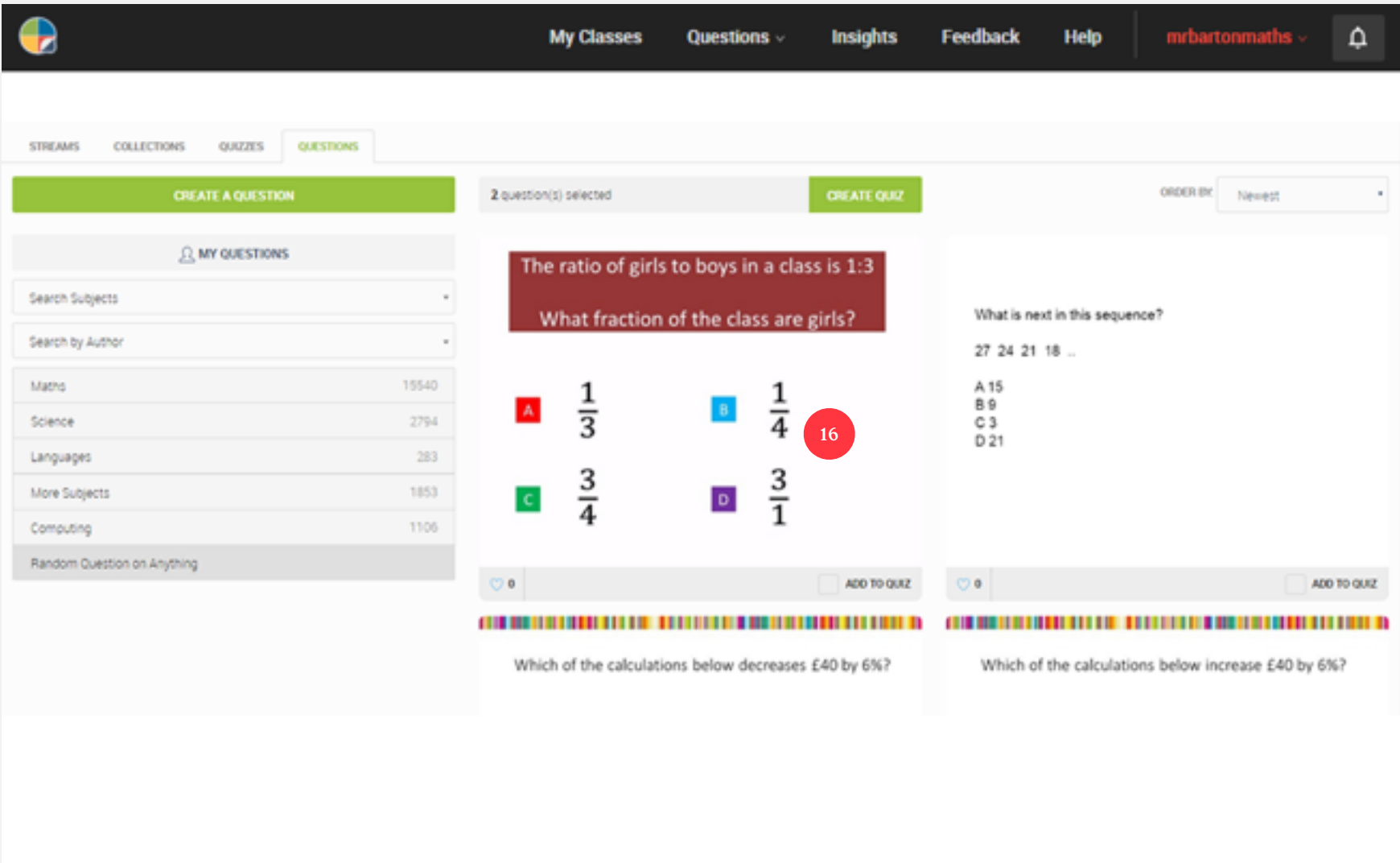
14 And tag it in the correct area(s) of the curriculum. This stage of the process is particularly important as if the question is not tagged correctly the insights we can gain from it are not nearly as powerful.

# How do I create a question?

Without good questions, we would not have much of a website. Fortunately, we have thousands of them, but there is always room for more! Please visit [our guide](#) about what makes a good question.



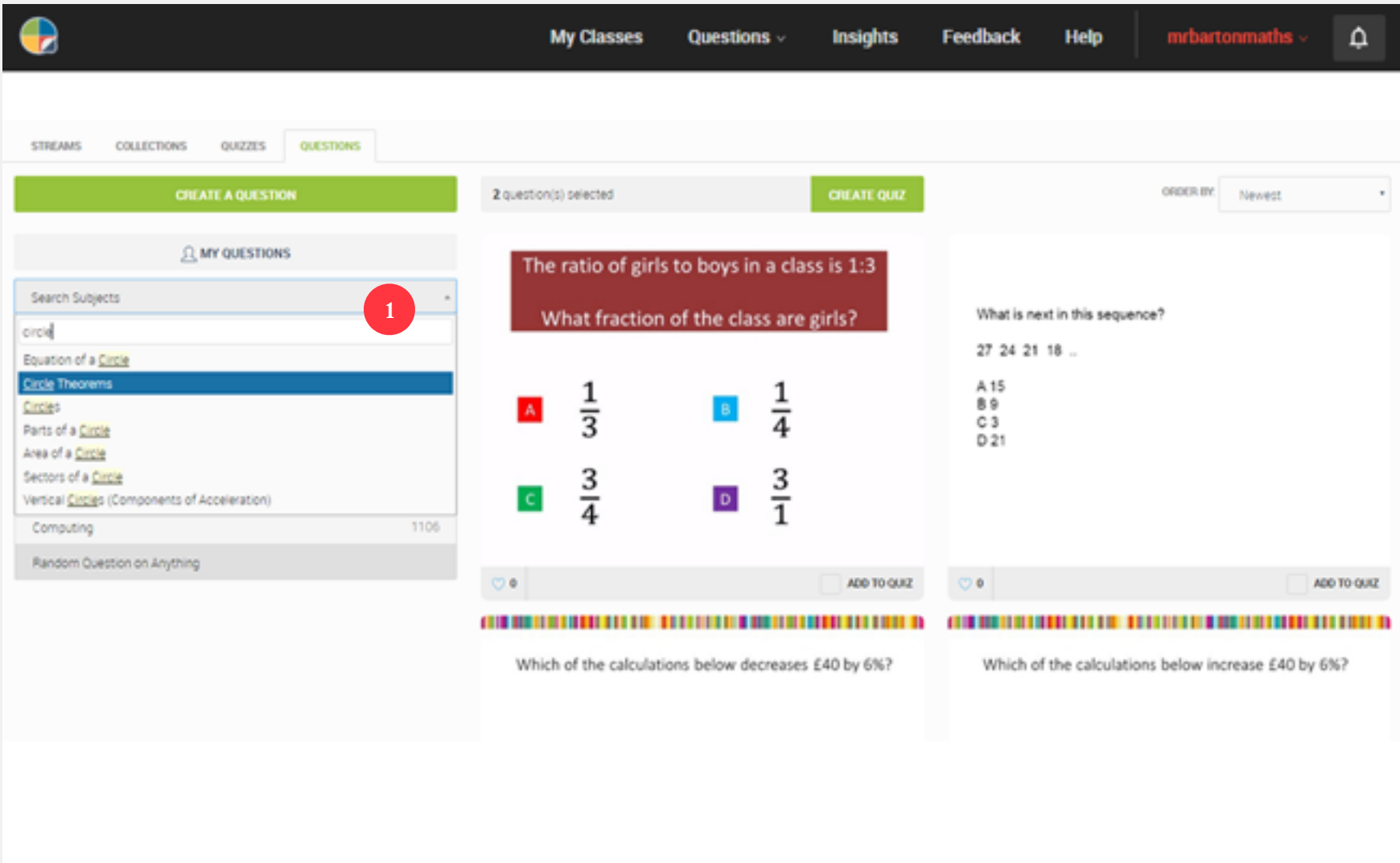
15 When your question is tagged, simply scroll to the bottom of the page and click "Create"



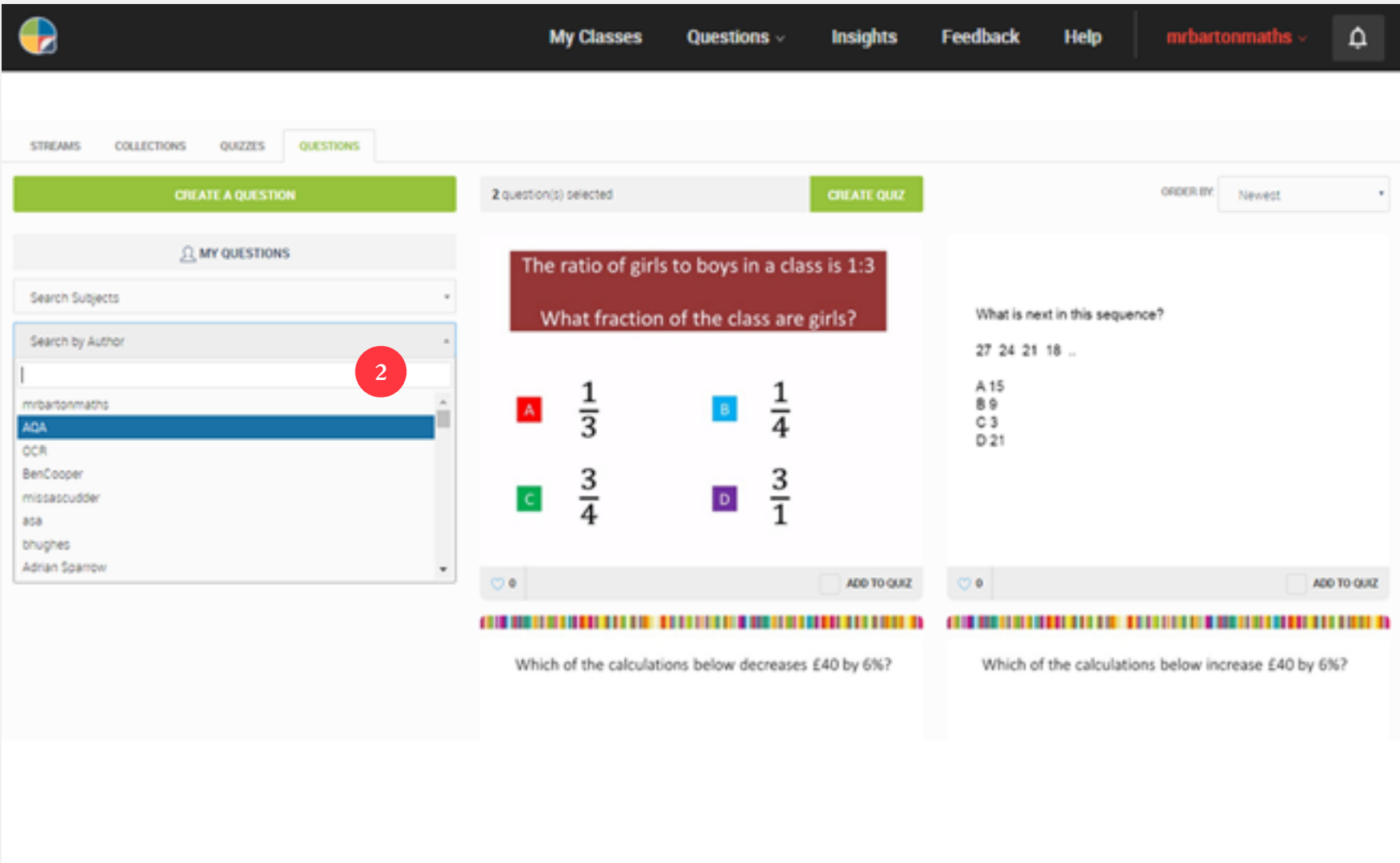
16 And you have created a question. Congratulations, and thank you!

# How do I create a quiz?

You can create a quiz out of your questions, somebody else's, or a combination of the two!



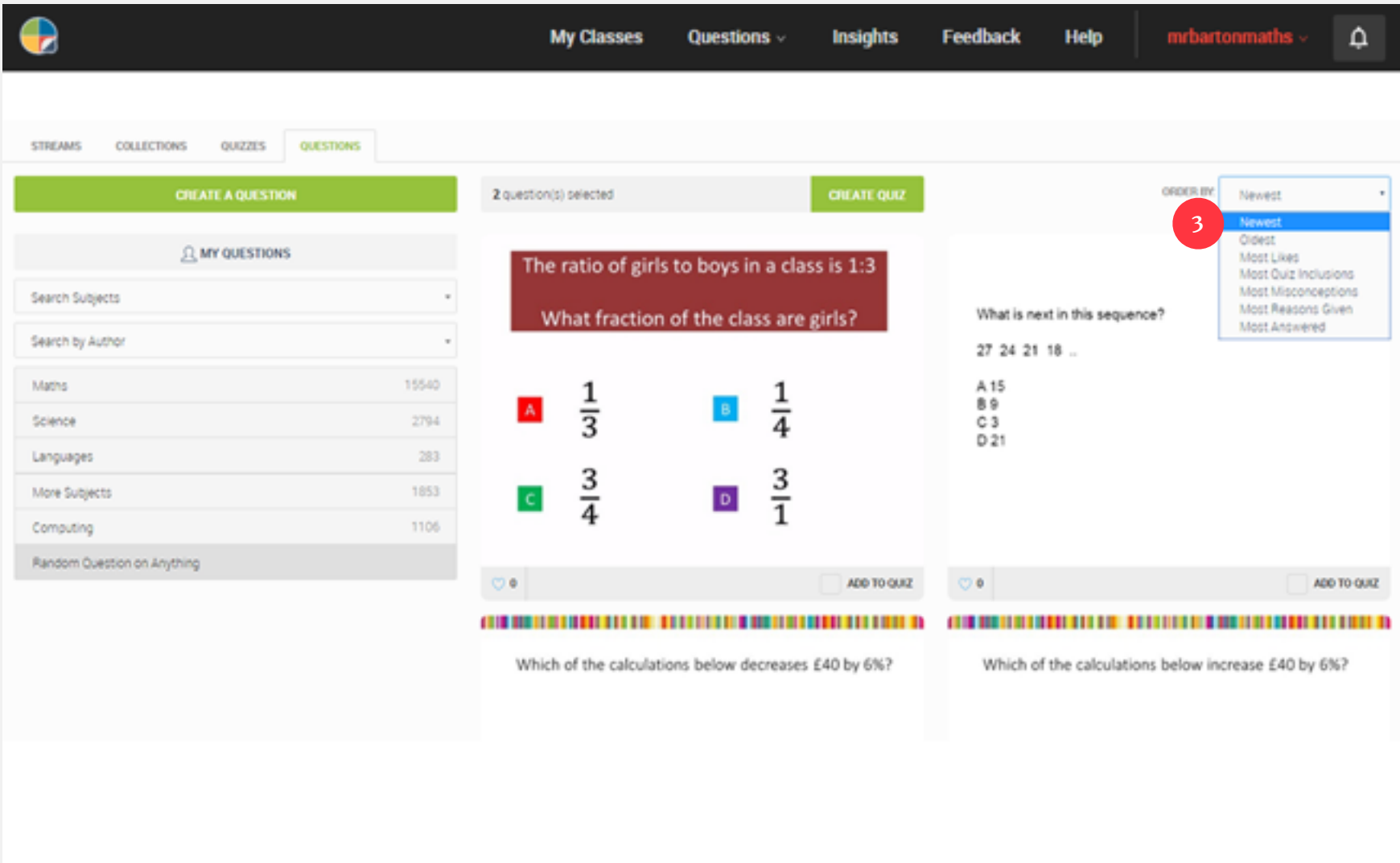
1 On the Questions page, find the questions you want. A good way to do this is to search by Subject



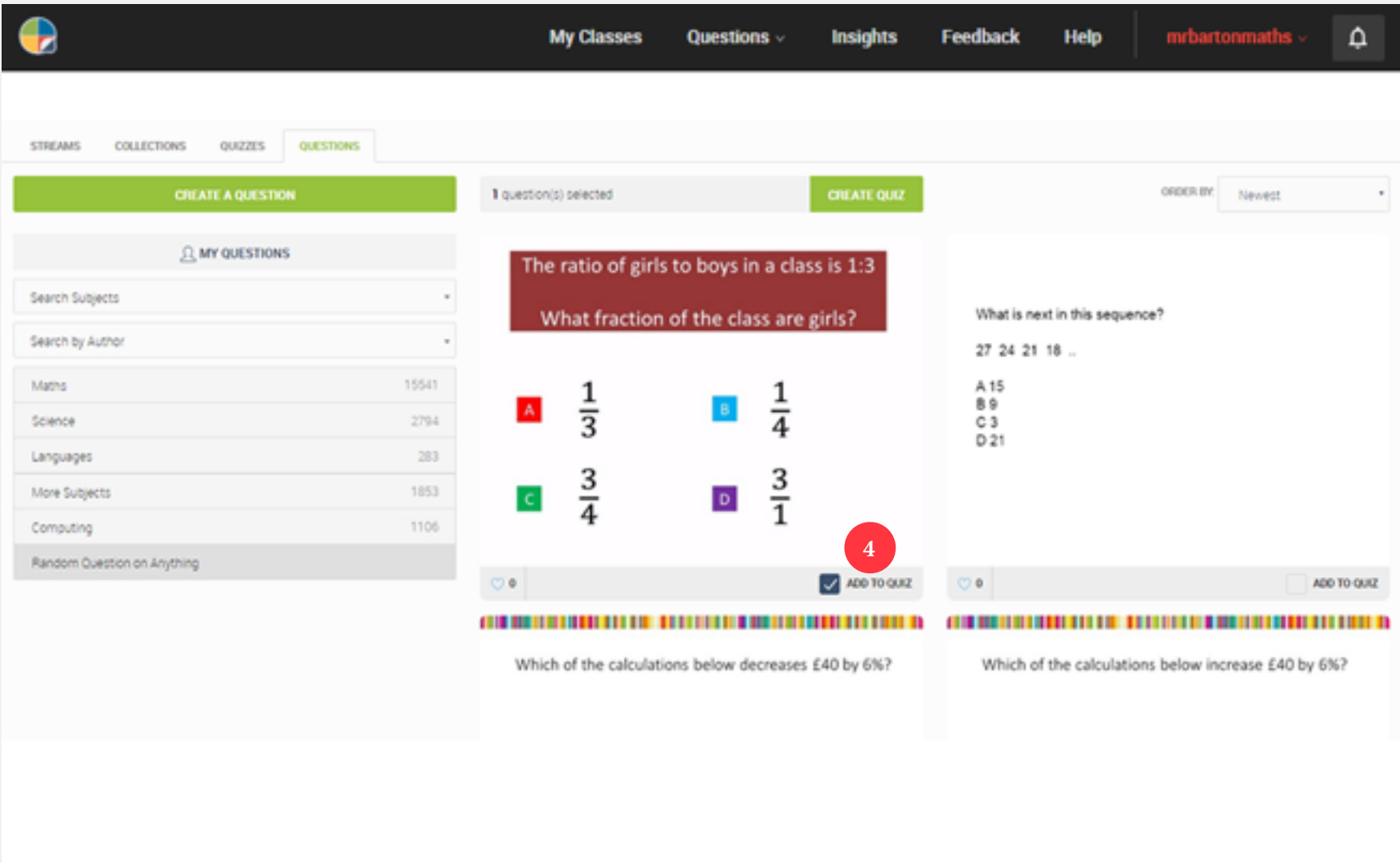
2 Or by Author

# How do I create a quiz?

You can create a quiz out of your questions, somebody else’s, or a combination of the two!



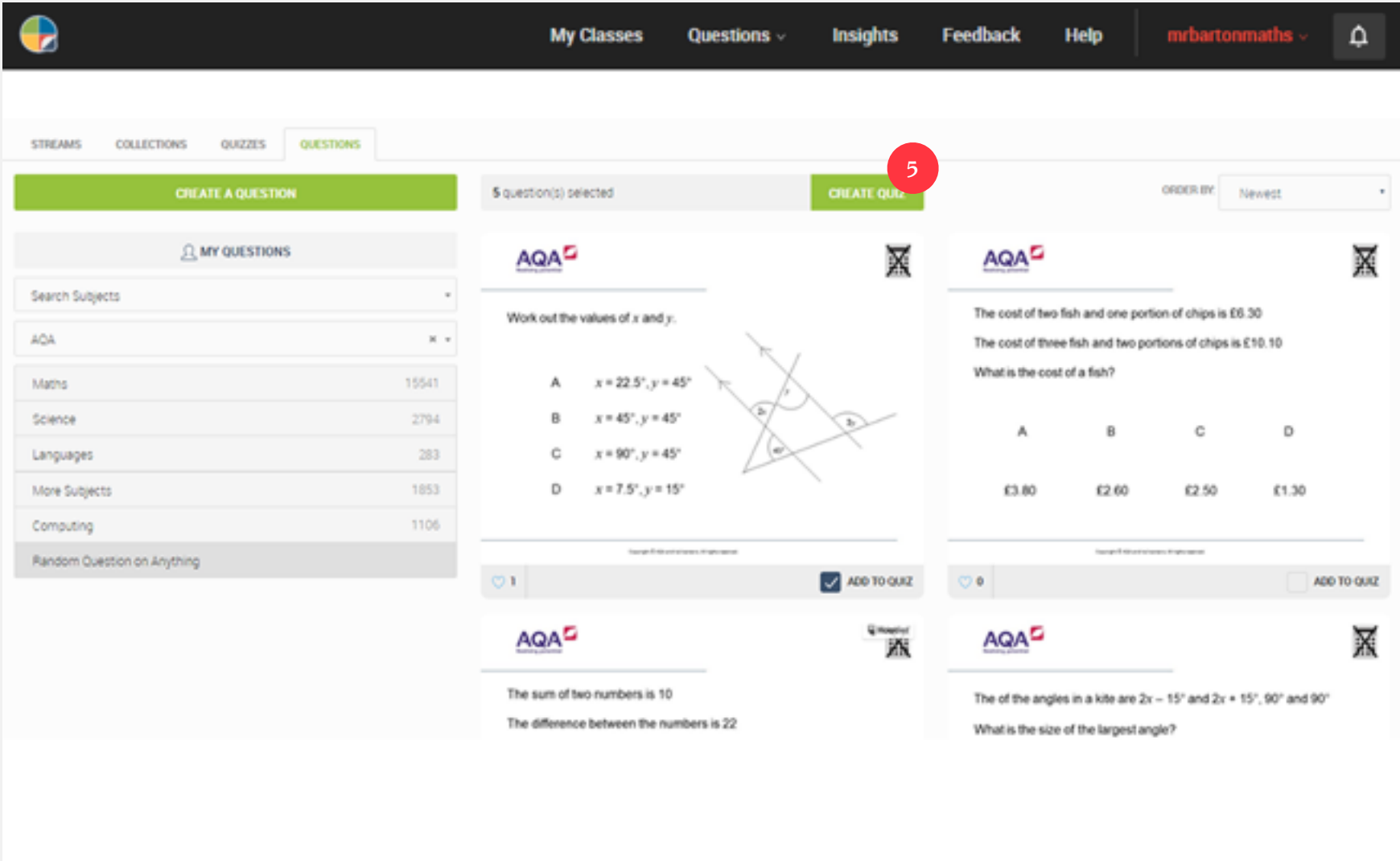
3 Or by Newest, Most Answered, Most Misconceptions, and many more!



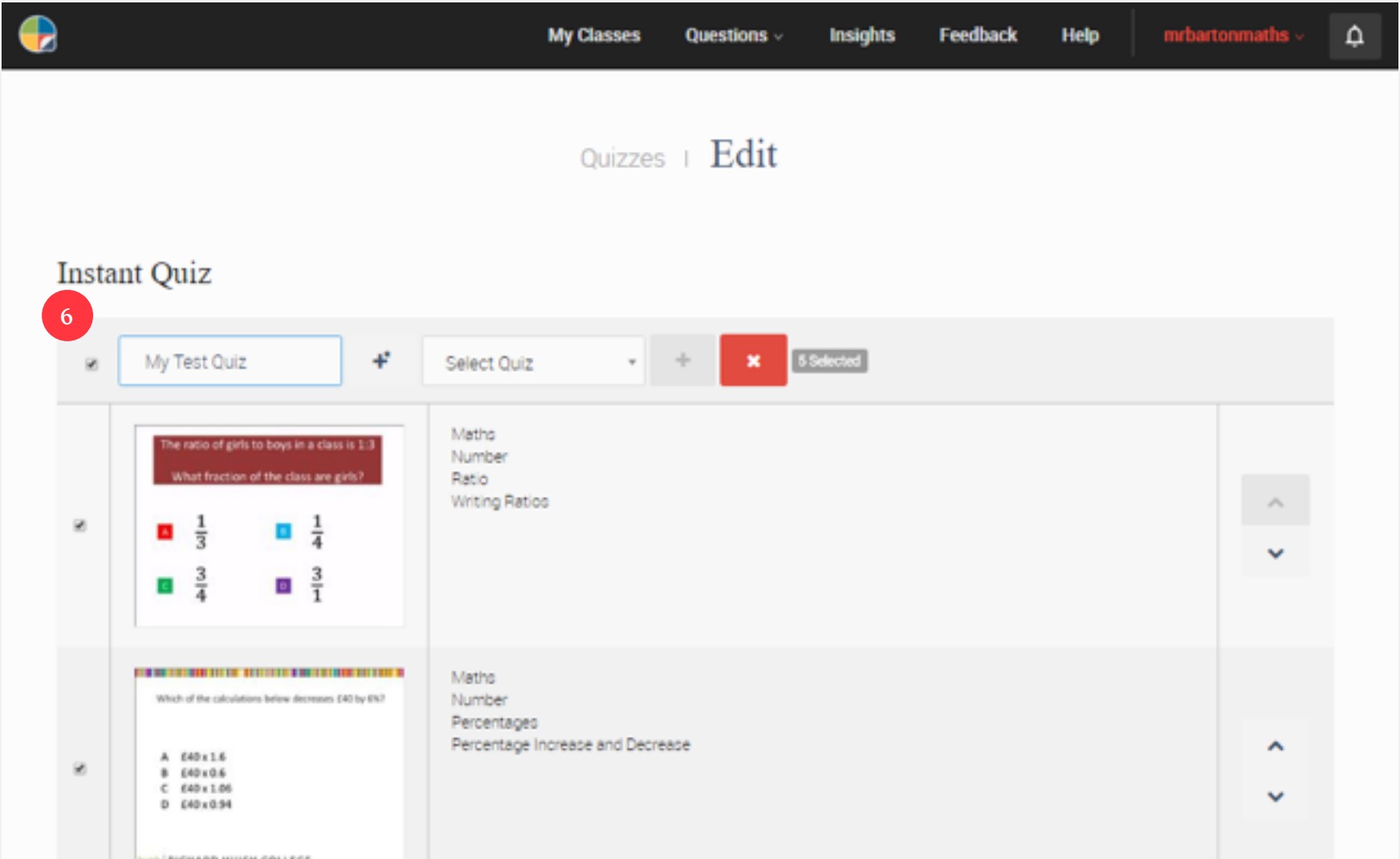
4 When you have found a question you like the look of, click next to “Add to Quiz” in the bottom right hand side of the question

# How do I create a quiz?

You can create a quiz out of your questions, somebody else’s, or a combination of the two!



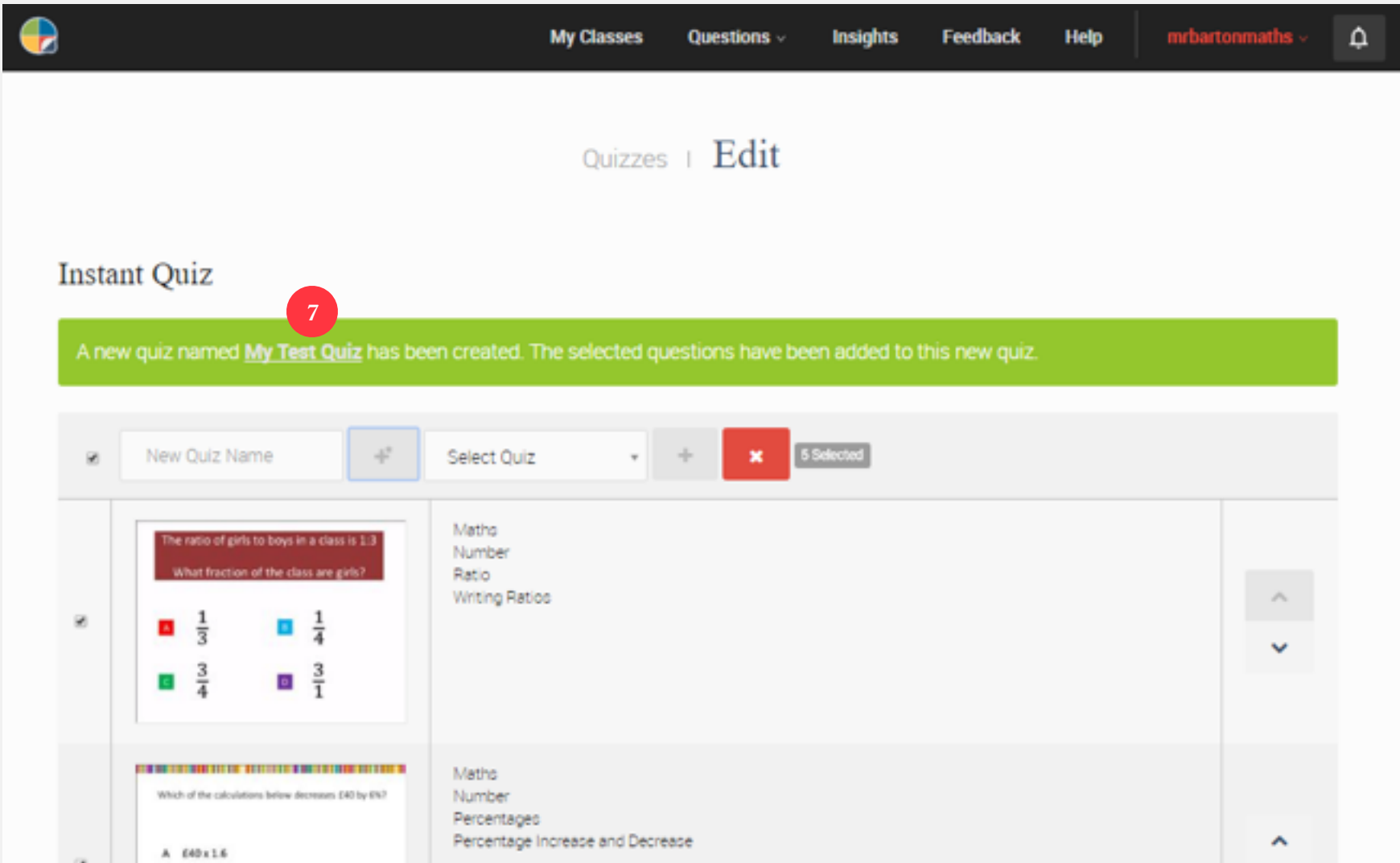
5 Continue doing this until you have selected all the questions you want, and then click “Create Quiz”



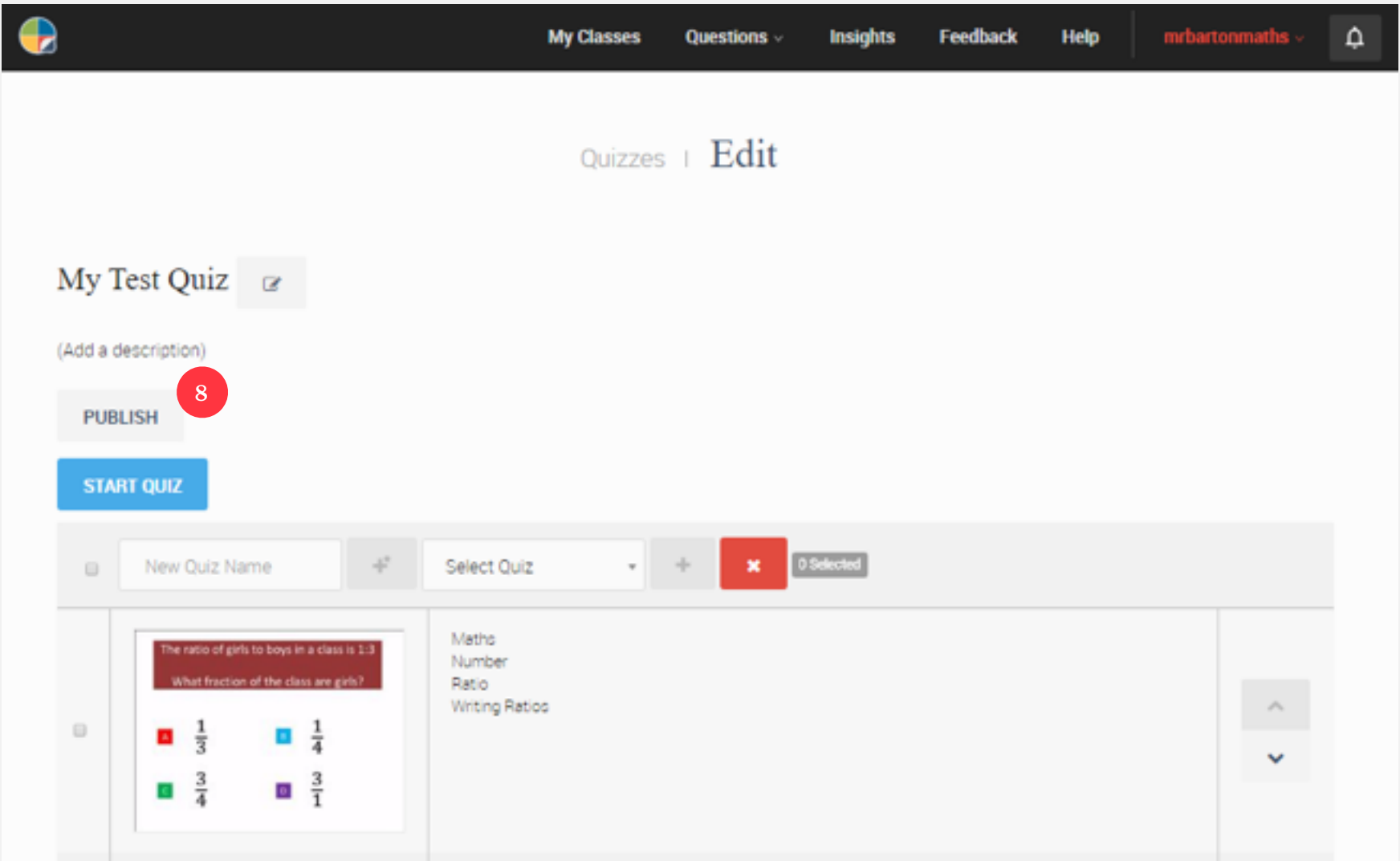
6 Place a tick on the top left hand side to choose all the questions in this selection, give your quiz a name, and click the plus button

# How do I create a quiz?

You can create a quiz out of your questions, somebody else’s, or a combination of the two!



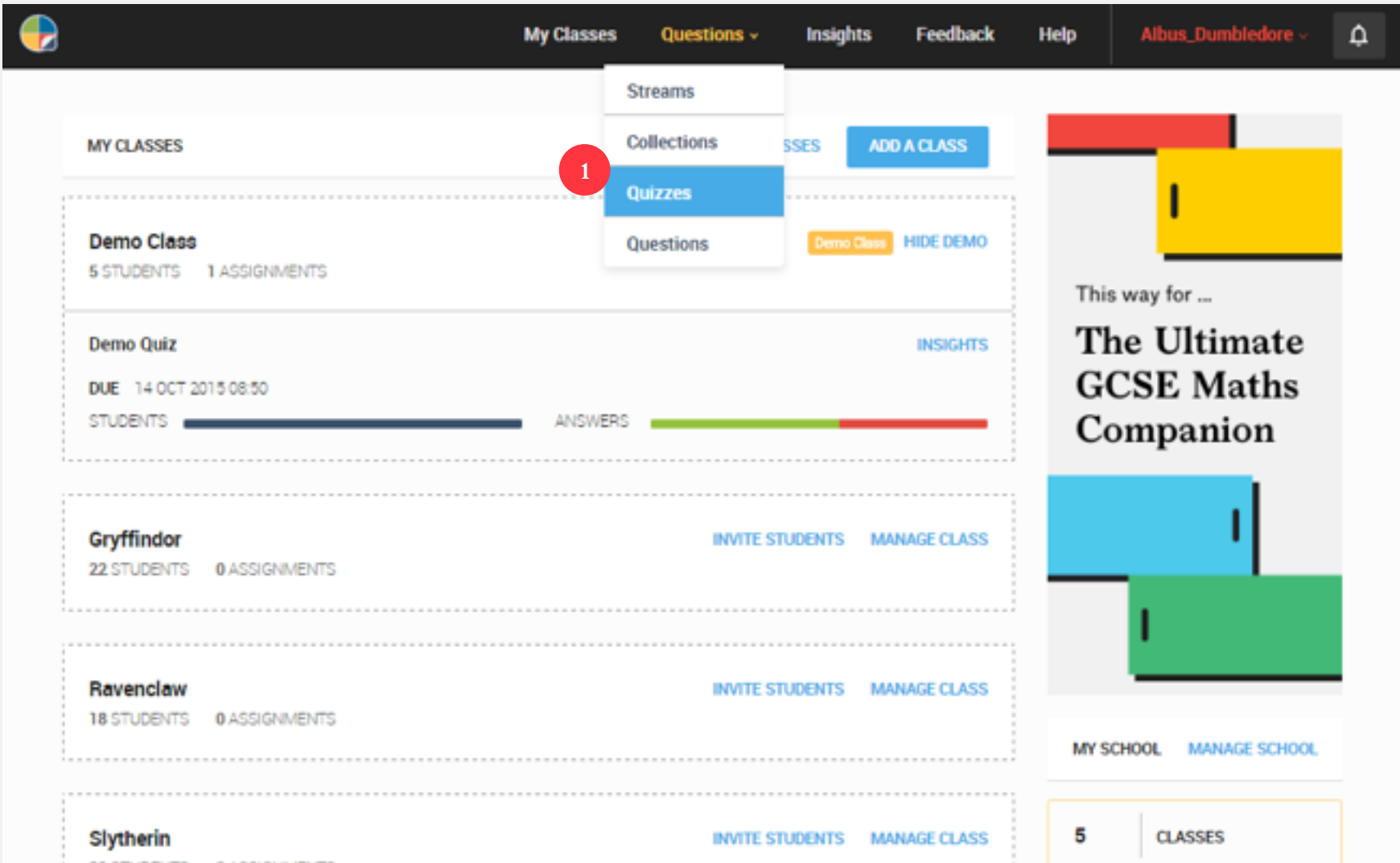
7 You have now created a quiz! Click on the name of the quiz in the green box



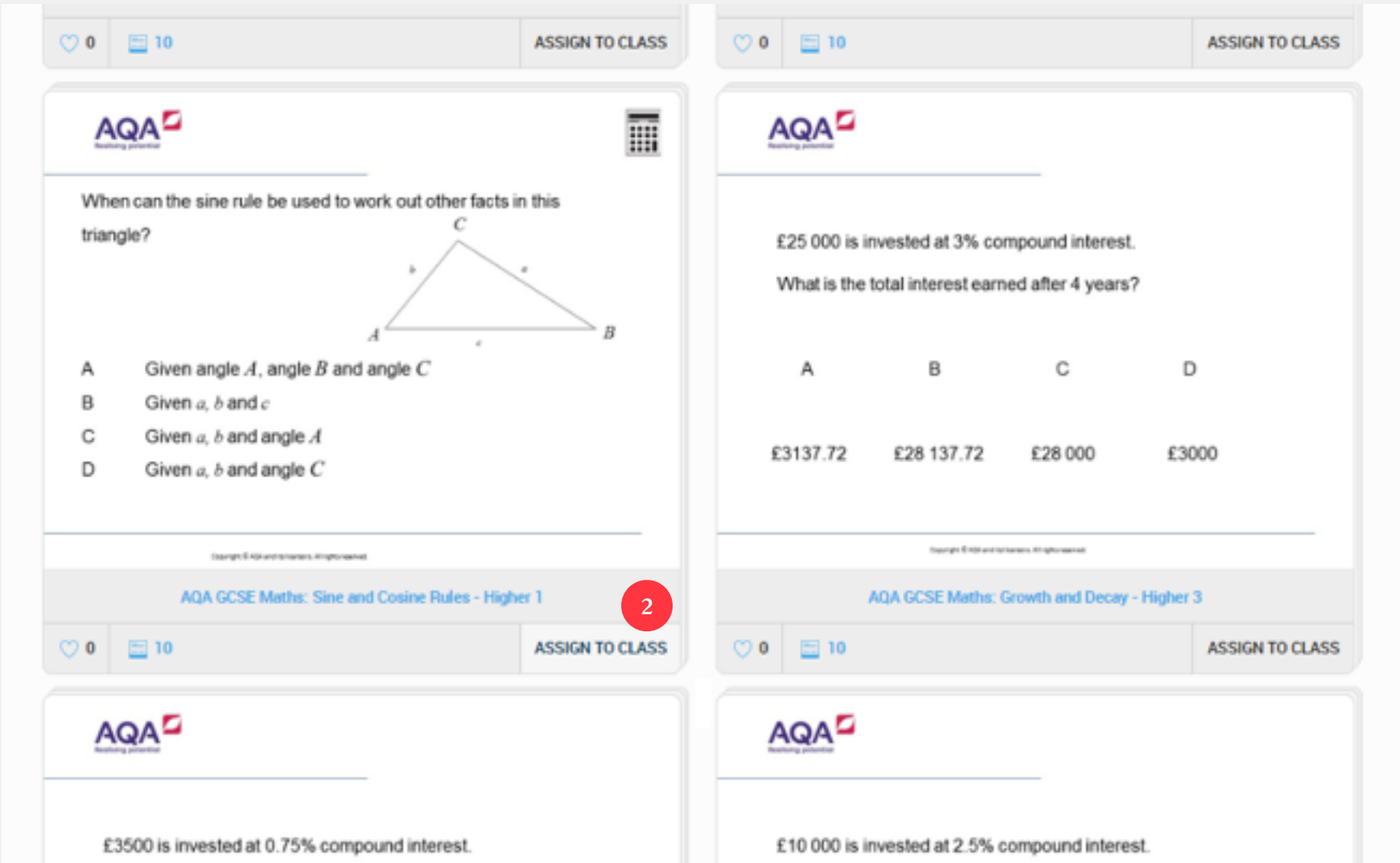
8 Here you can choose to publish your quiz, either to share it with your colleagues, or the world! But, be warned. Once published, you cannot make any changes to your quiz, so like I always tell the kids, check your work one last time!

# How do I set an assignment?

So, with all your classes set up, it is time to create and assignment. This is dead easy:



1 From any page, click on Questions > Quizzes

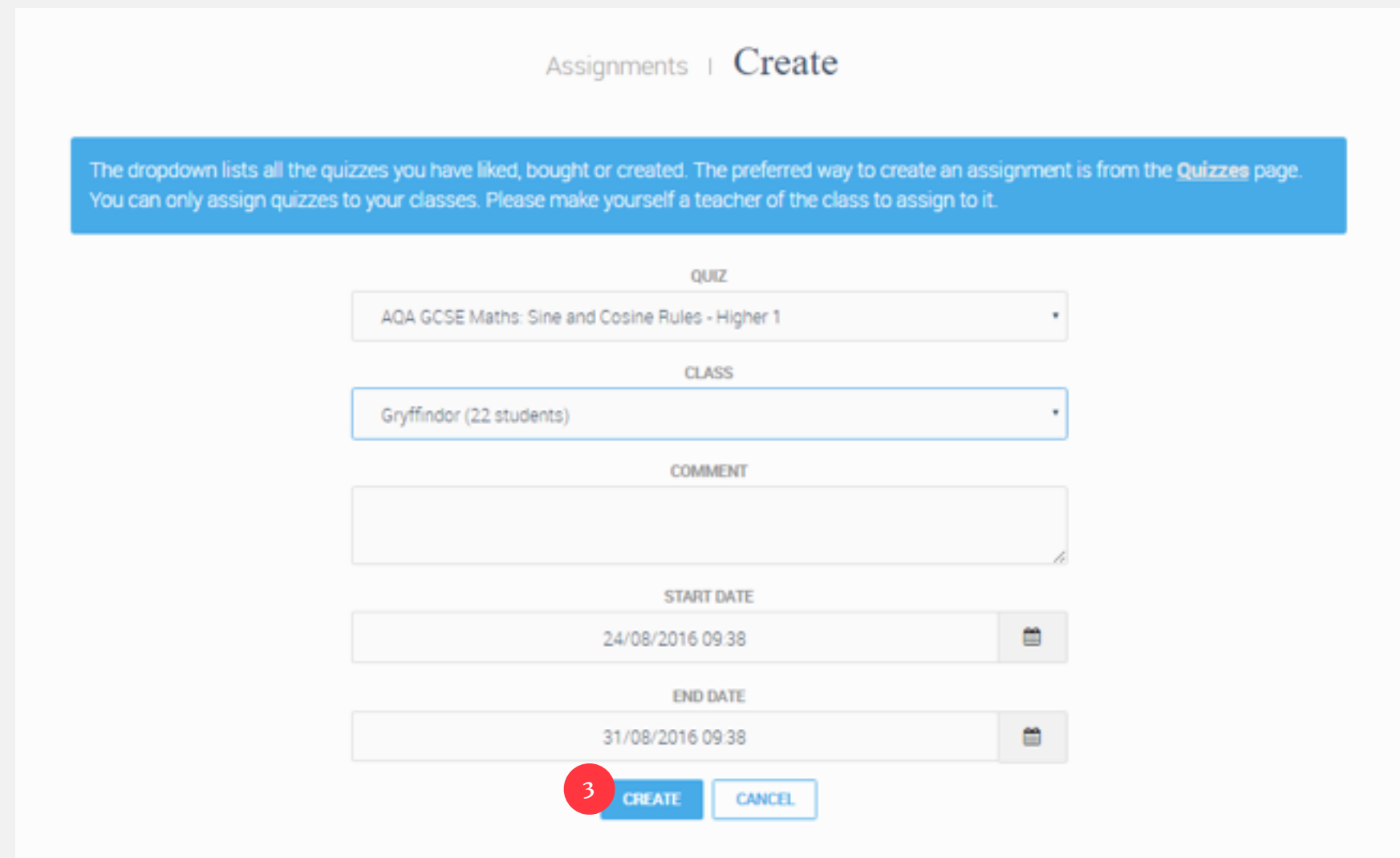


2 Find a quiz you like (you can search by topic or author), and click “Assign to Class”



## How do I set an assignment?

So, with all your classes set up, it is time to create an assignment. This is dead easy:



The screenshot shows the 'Create' page for assignments. At the top, there's a breadcrumb 'Assignments | Create'. Below this is a blue informational box stating: 'The dropdown lists all the quizzes you have liked, bought or created. The preferred way to create an assignment is from the [Quizzes](#) page. You can only assign quizzes to your classes. Please make yourself a teacher of the class to assign to it.'

The form consists of several fields:

- QUIZ:** A dropdown menu with 'AQA GCSE Maths: Sine and Cosine Rules - Higher 1' selected.
- CLASS:** A dropdown menu with 'Gryffindor (22 students)' selected.
- COMMENT:** A large text area for entering instructions.
- START DATE:** A date and time picker showing '24/08/2016 09:38'.
- END DATE:** A date and time picker showing '31/08/2016 09:38'.

At the bottom, there are two buttons: 'CREATE' (highlighted with a red circle containing the number 3) and 'CANCEL'.

- 3 Choose the class, enter any instructions to your students, set a start and end date, and click "Create"! The next time they login, they will have a lovely assignment waiting for them :-)





# How do I view the results of an assignment?

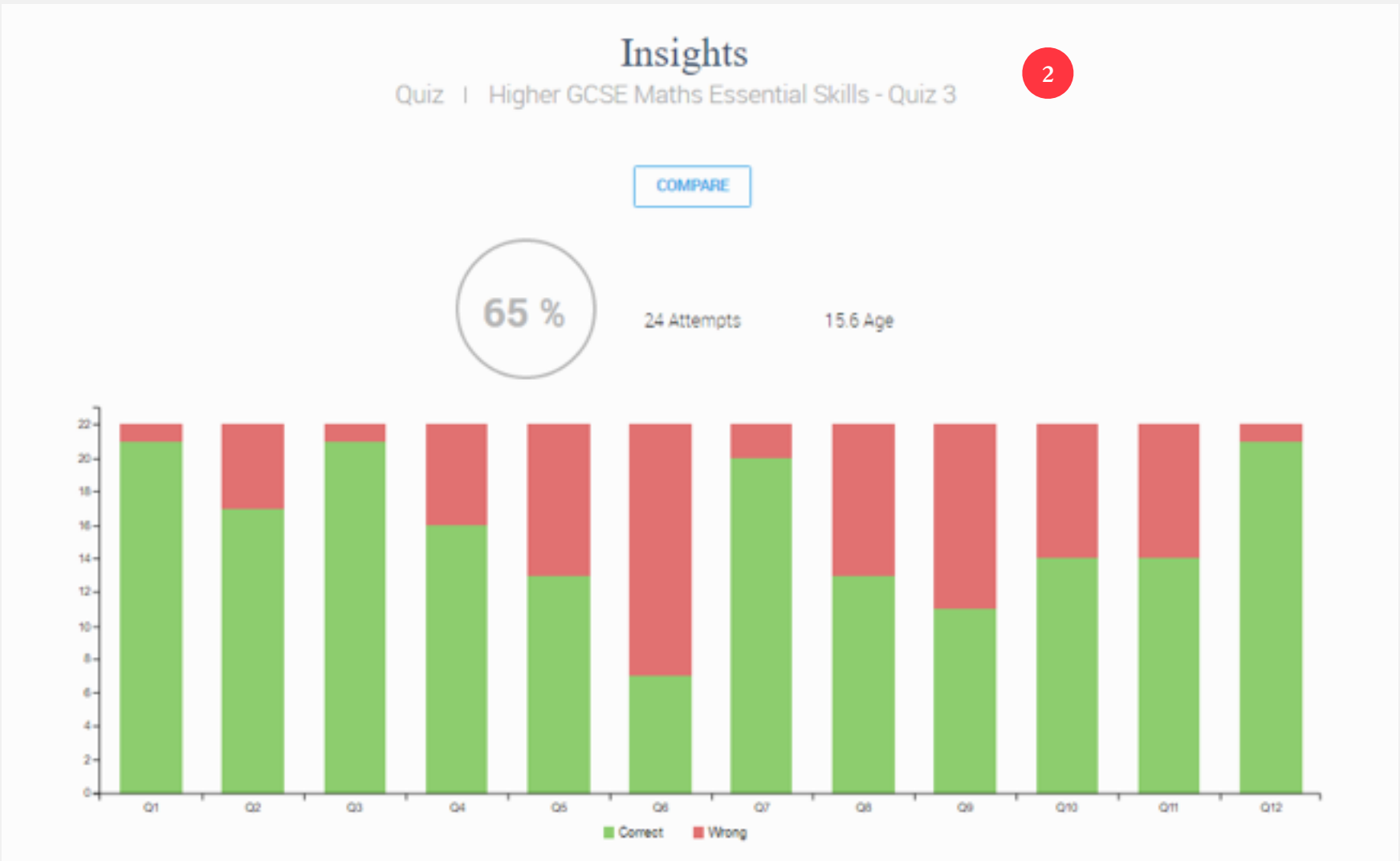
So, you have set your students an assignment, and now you want to see how they have got on!

					<a href="#">INSIGHTS</a>
GCSE Maths Foundation Stream	11aPM (2015-2016)	16/02/2016 00:00 -			<a href="#">INSIGHTS</a>
Higher GCSE Maths Free Revision Stream	11a1a (2015-2016)	-			<a href="#">INSIGHTS</a> <span>1</span>
GCSE Maths Higher Stream	11aPM - CB (2014-2015)	16/02/2016 00:00 -			<a href="#">INSIGHTS</a>
Pilot Stream	11aPM - CB (2014-2015)	09/02/2015 00:00 -			<a href="#">INSIGHTS</a>

QUIZ	CLASS	DUE	STUDENTS	ANSWERS	
Higher GCSE Maths Essential Skills - Quiz 4	11a1a (2015-2016)	12/10/2015 23:20			<a href="#">INSIGHTS</a>
Higher GCSE Maths Essential Skills - Quiz 3	11a1a (2015-2016)	02/10/2015 23:59			<a href="#">INSIGHTS</a>
Higher GCSE Maths Essential Skills - Quiz 2	11a1a (2015-2016)	30/09/2015 23:00			<a href="#">INSIGHTS</a>
Higher GCSE Maths Essential Skills - Quiz 1	11a1a (2015-2016)	18/09/2015 16:00			<a href="#">INSIGHTS</a>

< 1 2 >

1 Click on “Insights” on the top toolbar, find the quiz you are interested in, and click on “Insights”



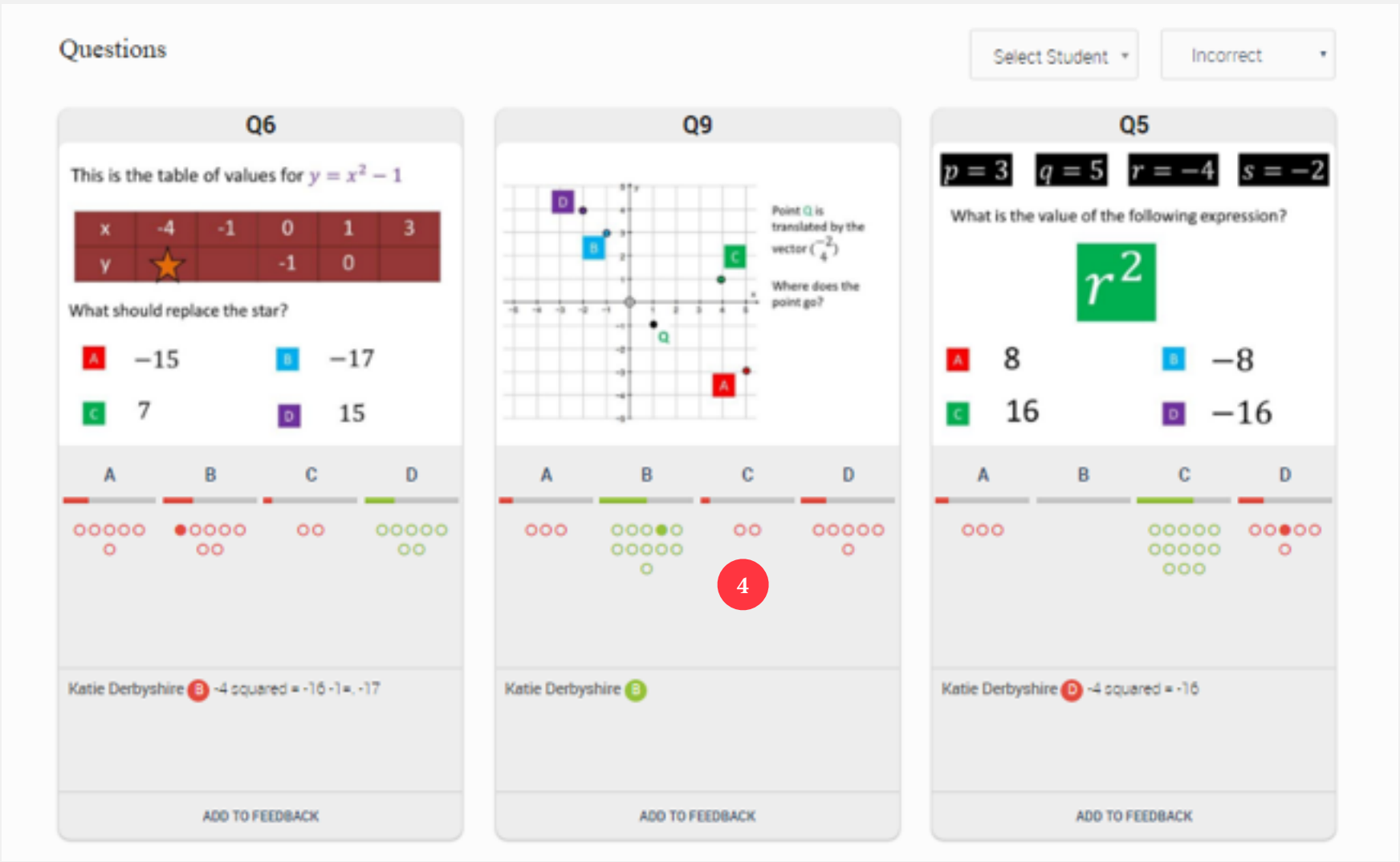
2 Welcome to the Quiz Insights page! The first part of this page gives you a quick overview of your class’ performance on each question

# How do I view the results of an assignment?

So, you have set your students an assignment, and now you want to see how they have got on!



3 You can reorder this to quickly find the worst answered questions



4 If you scroll down the page, and look at the first question, you can see how your students' responses were spread across each option. Each dot represents one of your students, and if you click on a dot you can see their explanation

# How do I view the results of an assignment?

So, you have set your students an assignment, and now you want to see how they have got on!

NAME	📎	MARK	1	2	3	4	5	6	7	8	9	10	11	12
Dharma Anders	<a href="#">Download</a>	67 %	C	A	B	B	C	A	D	C	B	D	D	A
Alexander Axford	<a href="#">Download</a>	67 %	C	B	B	C	A	C	D	A	A	A	D	A
Harry Birkett	<a href="#">Download</a>	50 %	C	A	B	A	D	A	D	B	C	D	D	A
Leandra Blower	<a href="#">Download</a>	83 %	C	A	B	C	C	A	D	B	B	A	D	A
Jude Costello <small>Show 1 more attempts</small>	<a href="#">Download</a>	50 %	C	B	B	C	D	A	D	C	D	A	C	A
Georgie Dacey	<a href="#">Download</a>	75 %	C	A	B	B	A	C	D	A	B	A	D	A
Katie Derbyshire	<a href="#">Download</a>	67 %	C	A	B	B	D	B	D	A	B	A	A	A
Amy Duckworth <small>Show 1 more attempts</small>	<a href="#">Download</a>	50 %	C	A	B	C	C	B	D	D	D	B	B	D
Daniel Hunter	<a href="#">Download</a>	100 %	C	A	B	C	C	D	D	A	B	A	D	A
Joseph Hupton	<a href="#">Download</a>	75 %	B	B	C	C	C	D	D	A	B	A	D	A
Jack Illingworth	<a href="#">Download</a>	63 %	C	A	B	C	C	B	D	A	B	B	D	A
Ethan Kay	<a href="#">Download</a>	92 %	C	A	B	C	C	D	D	A	B	A	A	A

5 If you scroll down further, you get a lovely grid showing all your class’ results

# How do I print off a student report?

You can also generate a pdf reports on each of your students' performance in a particular quiz. These could either be printed out or emailed to students – the choice is yours!

NAME	Ⓢ	MARK	1	2	3	4	5	6	7	8	9	10	11	12
Dharma Anders	Download	67 %	C	A	B	B	C	A	D	C	B	D	D	A
Alexander Axford	Download	67 %	C	B	B	C	A	C	D	A	A	A	D	A
Harry Birkett	Download	50 %	C	A	B	A	D	A	D	B	C	D	D	A
Leandra Blower	Download	83 %	C	A	B	C	C	A	D	B	B	A	D	A
Jude Costello <small>Show 1 more attempts</small>	Download	50 %	C	B	B	C	D	A	D	C	D	A	C	A
Georgie Dacey	Download	75 %	C	A	B	B	A	C	D	A	B	A	D	A
Katie Derbyshire	Download	67 %	C	A	B	B	D	B	D	A	B	A	A	A
Amy Duckworth <small>Show 1 more attempts</small>	Download	50 %	C	A	B	C	C	B	D	D	D	B	B	D
Daniel Hunter	Download	100 %	C	A	B	C	C	D	D	A	B	A	D	A
Joseph Hupton	Download	75 %	B	B	C	C	C	D	D	A	B	A	D	A
Jack Illingworth	Download	63 %	C	A	B	C	C	B	D	A	B	B	D	A
Ethan Kay	Download	92 %	C	A	B	C	C	D	D	A	B	A	A	A

1 On the Quiz Insights page, scroll down until you get to the grid showing all your class' results and click "Download" next to an individual student's name

## Higher GCSE Maths Essential Skills - Quiz 3

2

Name: Katie Derbyshire  
Date: 28/09/2015  
Mark: 8/12

Question	Given Answer		Correct Answer	
	Value	Reason	Value	Reason
<div> <math>-3 + 1 =</math> </div> <div> <span>A</span> 2      <span>B</span> 4         </div> <div> <span>C</span> -2      <span>D</span> -4         </div>	C	-3+1=-2	C	Because if you're taking away a negative number you are moving up the line and if you're adding a number you move down the line.
<p>Which of these shows an incorrect equivalent fraction? (Filled-in numbers are shown in red)</p> <div> <math>\frac{3}{5} = \frac{2}{10}</math>    <math>\frac{3}{5} = \frac{15}{25}</math>    <math>\frac{3}{5} = \frac{21}{35}</math>    <math>\frac{3}{5} = \frac{30}{50}</math> </div>	A	3 and 2 aren't in the same times tables	A	Its A because the numerator has not been done properly, halve of 3 is not 2 but that's what is written in. The denominator is right because halve of 10 is 5.

2 You will get a print out of their answers, explanations, as well as the most popular student explanations given for each question. My students found this a really useful revision tool

As well as individual student reports, you can also generate a pdf version of a class report for an individual quiz. This might be something you print out and keep as a physical record, or something that gets neatly filed away on your computer. Again, it is up to you!

My Classes

Questions

Insights

Feedback

Help

mrbartonmaths

Students

Download Class Report

Download All Attempts as Zip

Last Name

NAME		MARK	1	2	3	4	5	6	7	8	9	10	11	12
Dharma Anders	Download	67 %	C	A	B	B	C	A	D	C	B	D	D	A
Alexander Axford	Download	67 %	C	B	B	C	A	C	D	A	A	A	D	A
Harry Birkett	Download	50 %	C	A	B	A	D	A	D	B	C	D	D	A
Leandra Blower	Download	83 %	C	A	B	C	C	A	D	B	B	A	D	A
Jude Costello <small>Show 1 more attempts</small>	Download	50 %	C	B	B	C	D	A	D	C	D	A	C	A
Georgia Dacey	Download	75 %	C	A	B	B	A	C	D	A	B	A	D	A
Katie Derbyshire	Download	67 %	C	A	B	B	D	B	D	A	B	A	A	A

- 1
- On the Quiz Insights page, scroll down to the table that shows your class’ results, and click on “Download Class Report”

Assignment Report

Higher GCSEMaths Essential Skills - Quiz 3

Class 11a1a (2015-2016) | Attempts 22 | Percentage 71%

STARTING

28 Sep 2015

AT 07:54

ENDING

02 Oct 2015

AT 23:59

Highlights

Questions with the most misconceptions

Question 615 WRONG

Question 911 WRONG

Question 59 WRONG

Students with the most misconceptions

Harry Birkett6 WRONG

Jude Costello6 WRONG

Amy Duckworth6 WRONG

- 2
- The first page shows you any particularly troublesome questions and the students who have displayed the most misconceptions

# How do I print off a class report?

NOW FREE!

As well as individual student reports, you can also generate a pdf version of a class report for an individual quiz. This might be something you print out and keep as a physical record, or something that gets neatly filed away on your computer. Again, it is up to you!



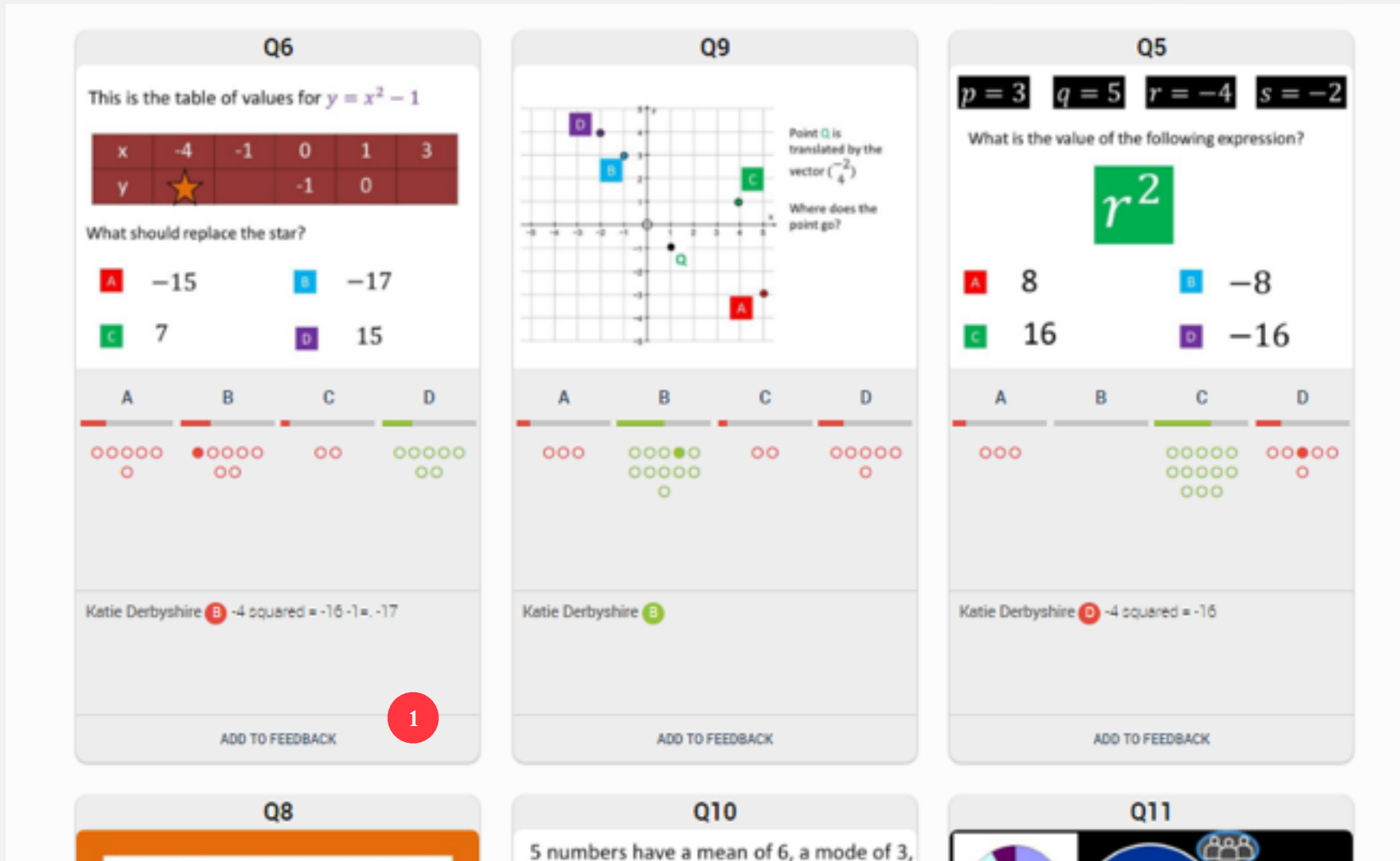
- 3 The second page provides a nice colourful summary of how your students performed as a whole



# How do I give feedback to students?

NOW FREE!

One my favourite tools we offer is the ability to give feedback to students. I would estimate this saves me around four hours marking per week and, more importantly, allows me to do my job more effectively.



- 1 Follow the instructions in “How do I view the results of an assignment?” to get to a question that you would like to give feedback on, and click “Add to Feedback”



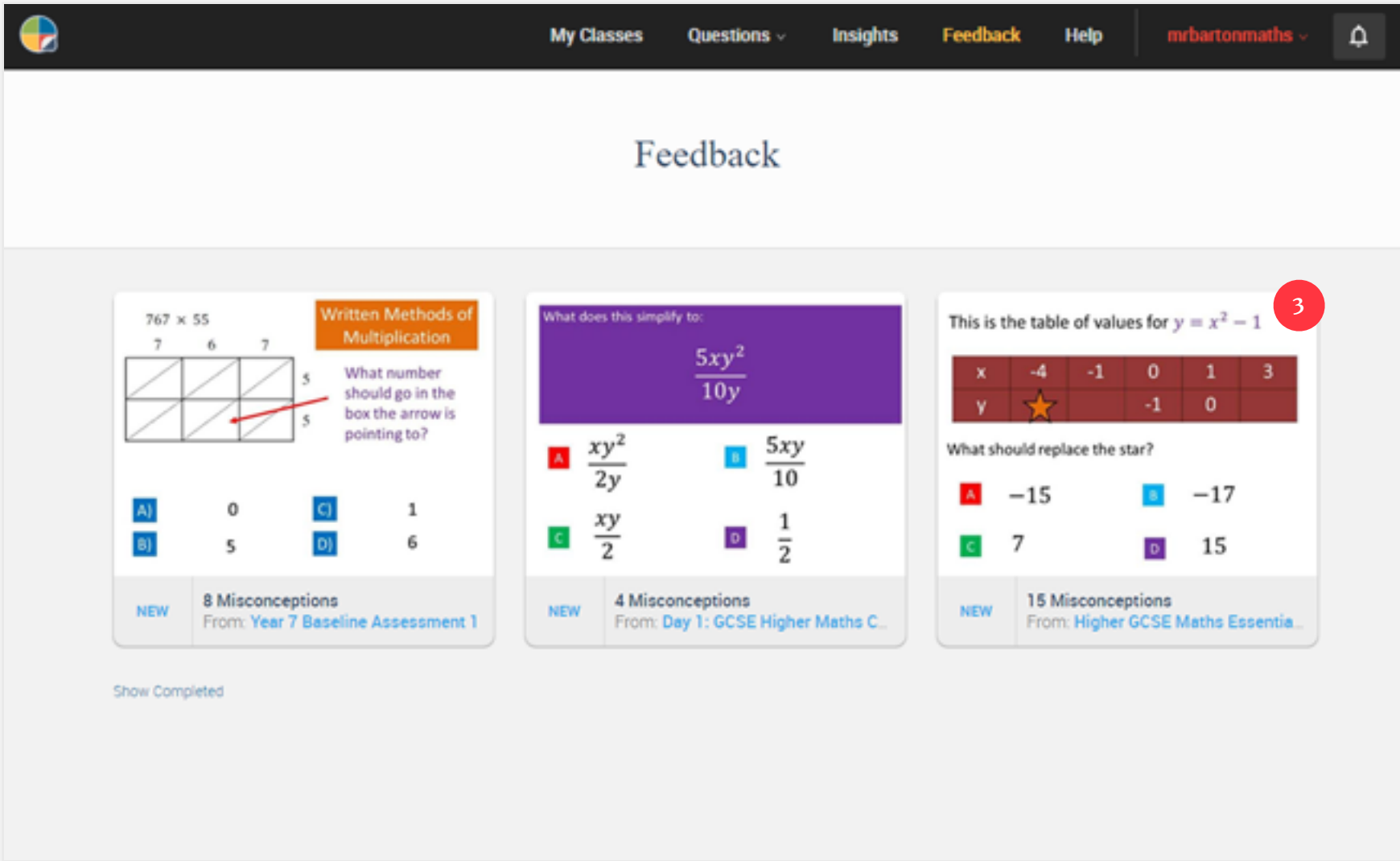
- 2 Scroll to the top of the page and click on “Feedback” in the top toolbar



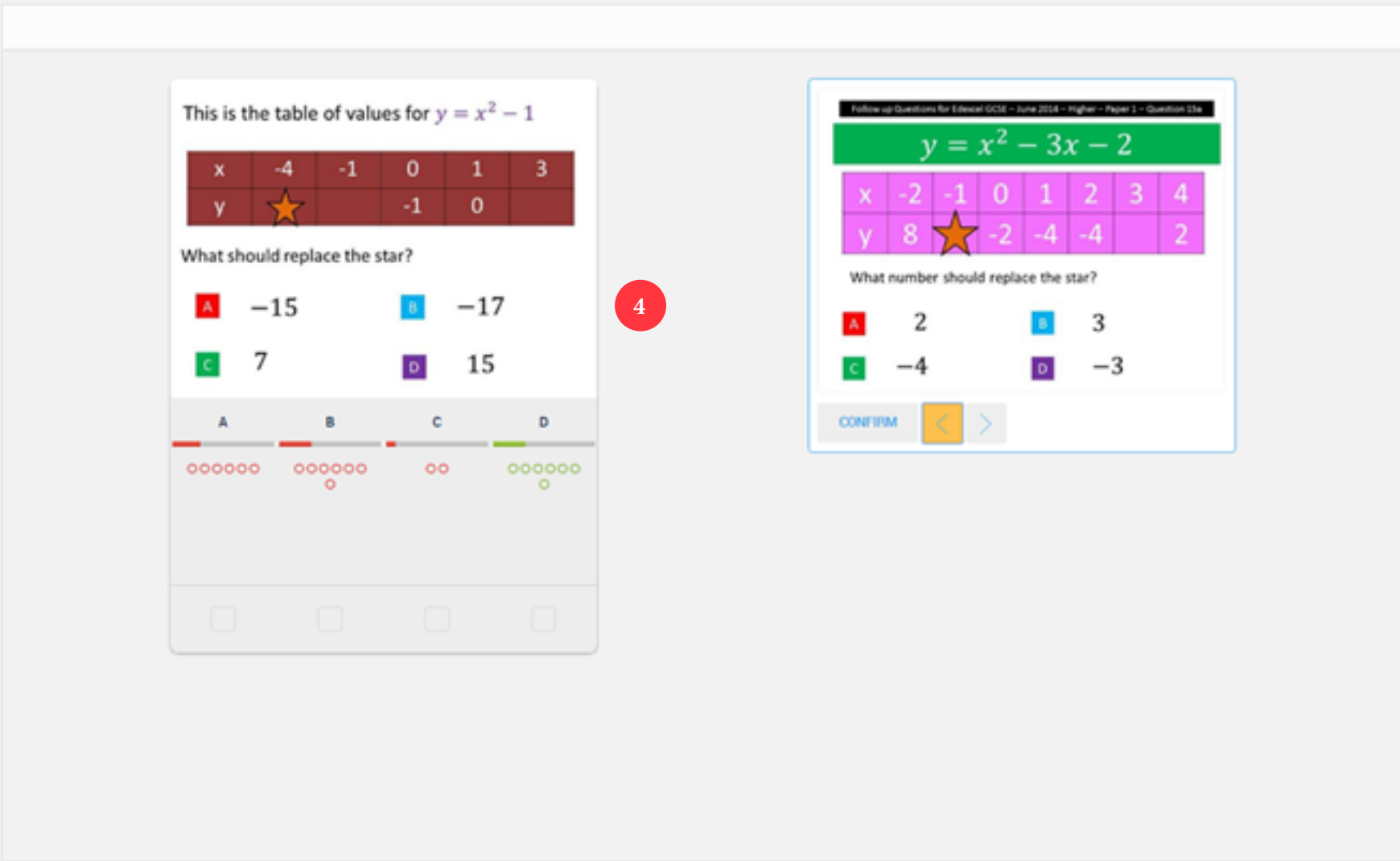
# How do I give feedback to students?

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- 3 Welcome to the Feedback Station! Find the question you want to give feedback on and give it a click!

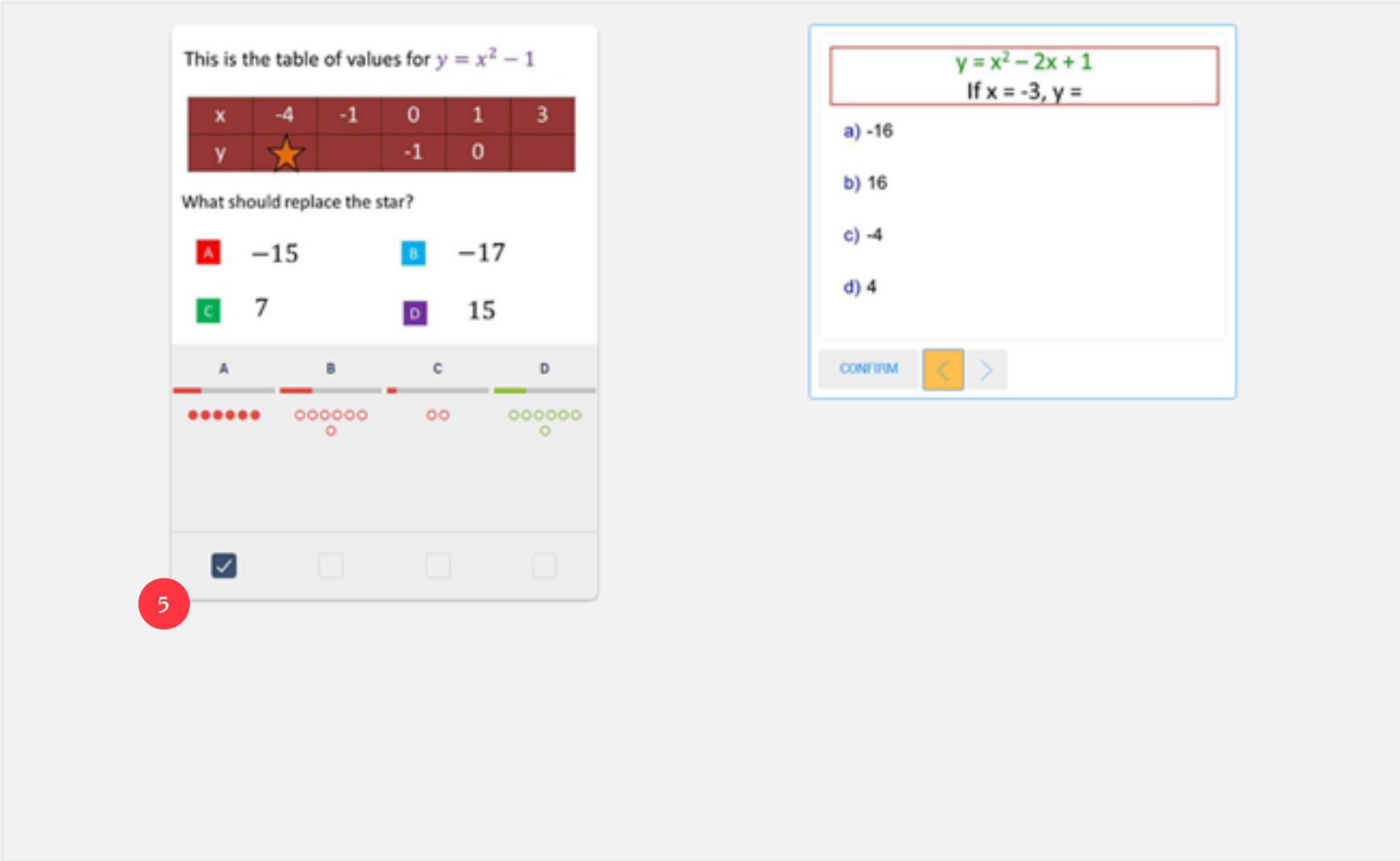


- 4 This will take you to a page which shows you the question you are focussing on, alongside a follow-up question (more on this in a minute!)

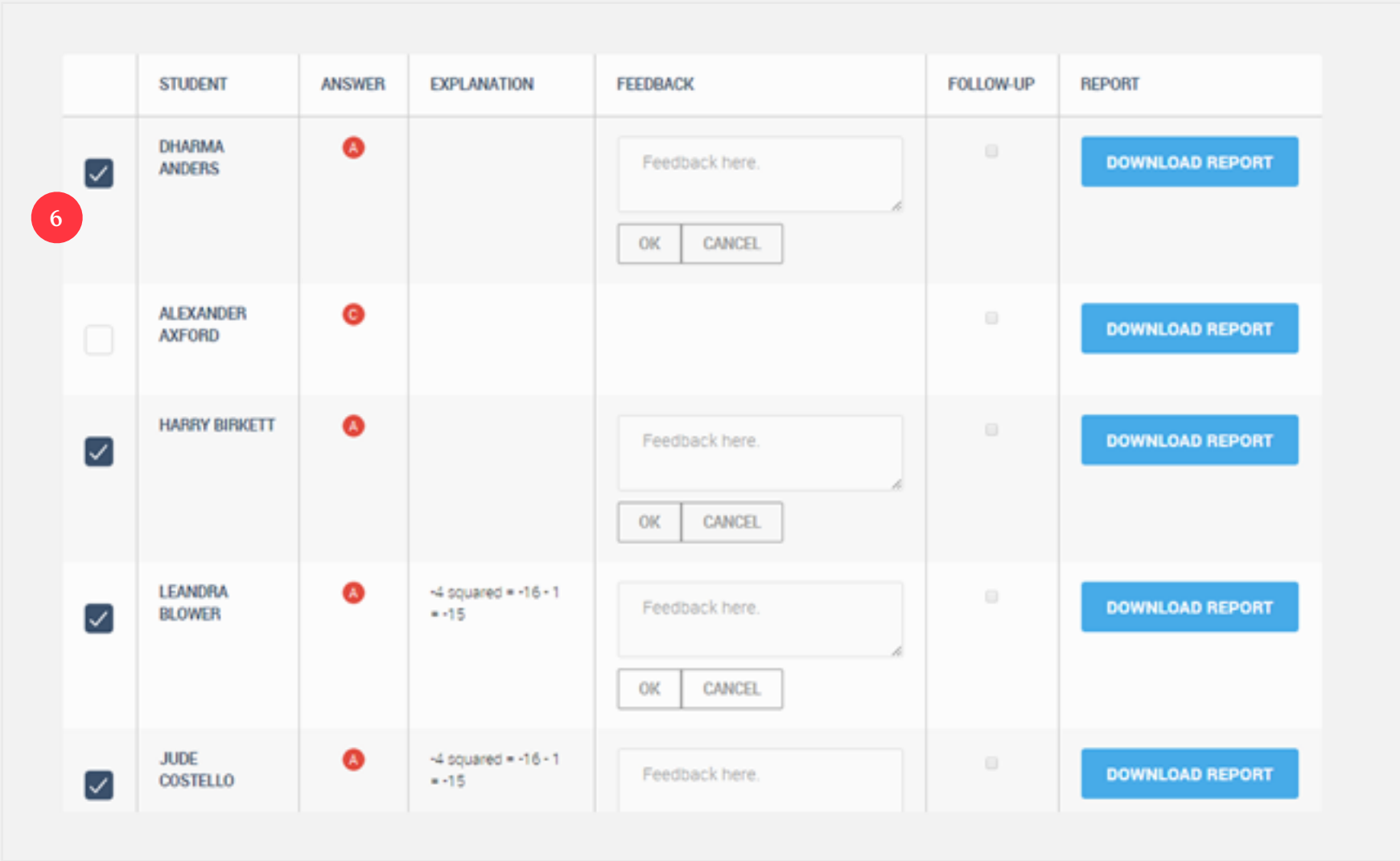
# How do I give feedback to students?

NOW FREE!

One my favourite tools we offer is the ability to give feedback to students. I would estimate this saves me around four hours marking per week and, more importantly, allows me to do my job more effectively.



5 Choose a particular answer to give feedback to by clicking the box underneath it. I have gone for Answer A



6 If you scroll down the page you will see the system has automatically highlighted all the students who have answered A, and provided you with their explanations if they have given one

# How do I give feedback to students?

NOW FREE!

One my favourite tools we offer is the ability to give feedback to students. I would estimate this saves me around four hours marking per week and, more importantly, allows me to do my job more effectively.

	STUDENT	ANSWER	EXPLANATION	FEEDBACK	FOLLOW-UP	REPORT
<input checked="" type="checkbox"/>	DHARMA ANDERS	A		<div>Think carefully about what happens when you multiply two negative numbers together</div> <div>OK CANCEL</div>	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input type="checkbox"/>	ALEXANDER AXFORD	C			<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input checked="" type="checkbox"/>	HARRY BIRKETT	A		<div>Think carefully about what happens when you multiply two negative numbers together</div> <div>OK CANCEL</div>	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input checked="" type="checkbox"/>	LEANDRA BLOWER	A	-4 squared = -16 - 1 = -15	<div>happens when you multiply two minus numbers together</div> <div>OK CANCEL</div>	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input checked="" type="checkbox"/>	JUDE COSTELLO	A	-4 squared = -16 - 1 = -15	<div>Think carefully about what happens when you multiply two negative numbers together</div>	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>

- 7
- Write feedback for one of these students, and it automatically copies it to all other students who have given that same answer

SAVE FEEDBACK

	STUDENT	ANSWER	EXPLANATION	FEEDBACK	FOLLOW-UP	REPORT
<input type="checkbox"/>	DHARMA ANDERS	A		Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input type="checkbox"/>	ALEXANDER AXFORD	C			<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input type="checkbox"/>	HARRY BIRKETT	A		Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input type="checkbox"/>	LEANDRA BLOWER	A	-4 squared = -16 - 1 = -15	Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>
<input type="checkbox"/>	JUDE COSTELLO	A	-4 squared = -16 - 1 = -15	Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	<a href="#">DOWNLOAD REPORT</a>

- 8
- When you have finished, click “OK” on one of the students

# How do I give feedback to students?

NOW FREE!

One my favourite tools we offer is the ability to give feedback to students. I would estimate this saves me around four hours marking per week and, more importantly, allows me to do my job more effectively.

SAVE FEEDBACK

	STUDENT	ANSWER	EXPLANATION	FEEDBACK	FOLLOW-UP	REPORT
<input type="checkbox"/>	DHARMA ANDERS	A		Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	ALEXANDER AXFORD	C			<input type="checkbox"/>	DOWNLOAD REPORT
<input checked="" type="checkbox"/>	HARRY BIRKETT	A		<div>Harry, remember we spoke about this at lunch? Look back to the notes in your book</div> <div>OKCANCEL</div>	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	LEANDRA BLOWER	A	-4 squared = -16 - 1 = -15	Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	JUDE COSTELLO	A	-4 squared = -16 - 1 = -15	Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	DOWNLOAD REPORT

9 If you feel a student needs some bespoke feedback, then that is no problem. Place a tick next to their name and write whatever you like in their textbox. Again, click “OK” when you have finished.

SAVE FEEDBACK

	STUDENT	ANSWER	EXPLANATION	FEEDBACK	FOLLOW-UP	REPORT
<input type="checkbox"/>	DHARMA ANDERS	A		Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	ALEXANDER AXFORD	C		What does it mean to square a number, and how is it different to doubling?	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	HARRY BIRKETT	A		Harry, remember we spoke about this at lunch? Look back to the notes in your book	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	LEANDRA BLOWER	A	-4 squared = -16 - 1 = -15	Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	DOWNLOAD REPORT
<input type="checkbox"/>	JUDE COSTELLO	A	-4 squared = -16 - 1 = -15	Think carefully what happens when you multiply two negative numbers together	<input type="checkbox"/>	DOWNLOAD REPORT

10 Repeat this for all other options, this allowing you to give focused, specific feedback based on their answers. You don’t have to give feedback to all students, just as many as you like.

# How do I give feedback to students?

NOW FREE!

One my favourite tools we offer is the ability to give feedback to students. I would estimate this saves me around four hours marking per week and, more importantly, allows me to do my job more effectively.

Feedback | Question

This is the table of values for  $y = x^2 - 1$

x	-4	-1	0	1	3
y	★		-1	0	

What should replace the star?

A -15

B -17

C 7

D 15

A

B

C

D

○○○○○

○○○○○

○○

○○○○○

$y = x^2 - 2x + 1$   
If  $x = -3$ ,  $y =$

a) -16

b) 16

c) -4

d) 4

11

CONFIRM

<

>

11

Now it is time to choose a Follow-Up Question to see if students have followed and understood your feedback. Scroll to the top and use the arrows to cycle through questions until you find just the right one and click “Confirm”.

The next time your students log in, they will be notified they have been given feedback and a follow-up question, and you can keep track of their results in this Feedback Station!

53

4

# Understanding Progress

How do I see how my class is doing over time?

NOW FREE!

Once your students have been answering questions over a prolonged period of time, one of the most powerful things you can do on Diagnostic Questions is to get a measure of their progress.

My Classes

Questions

Insights

Feedback

Help

mrbartonmaths

MY QUIZZES

MY CLASSES

MY DEPARTMENT

PLAN A LESSON

CLASS: All Classes

ORDER BY: Newest

STREAM	CLASS	DATE	ANSWERS	
GCSE Maths Higher Stream	11a1a (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS
GCSE Maths Higher Stream	11a1b (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS
GCSE Maths Higher Stream	11a1c (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS
GCSE Maths Higher Stream	11a2a (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS
GCSE Maths Higher Stream	11a2b (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS
GCSE Maths Higher Stream	11a3 (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS
<a href="https://www.diagnosticquestions.com/Data#/Class">https://www.diagnosticquestions.com/Data#/Class</a>	11k1c (2015-2016)	16/02/2016 00:00 -	<div></div>	INSIGHTS

1 Click on “Insights” on the top toolbar. And choose the “My Classes” tab

Class Insights

CLASS

SHOW INSIGHTS FOR CLASS

11a1a (2015-2016)

GO

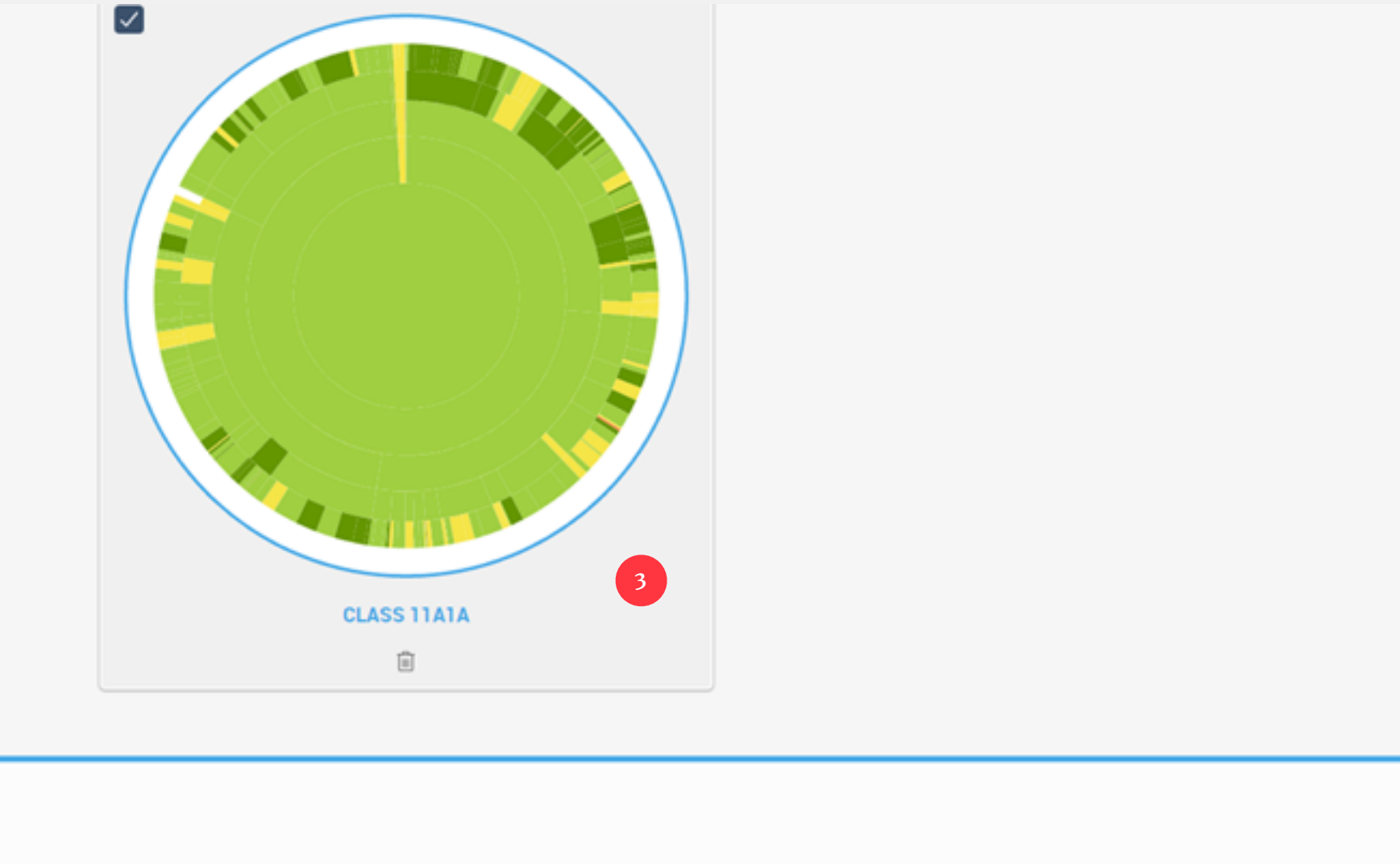
2 Welcome to the Class Insights Page! Simply choose the class you are interested in from the dropdown menu, and click “Go”



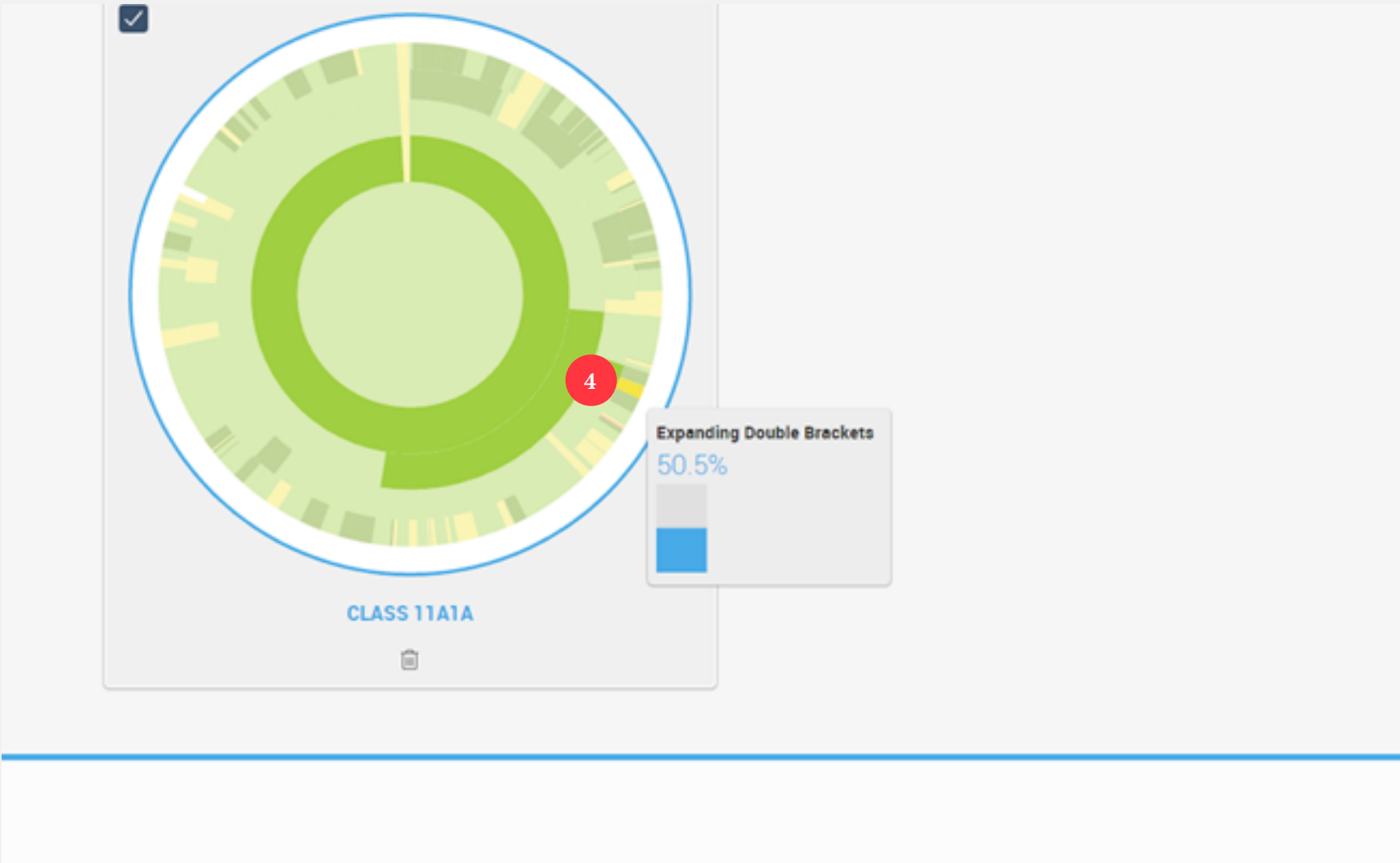
# How do I see how my class is doing over time?

NOW FREE!

Once your students have been answering questions over a prolonged period of time, one of the most powerful things you can do on Diagnostic Questions is to get a measure of their progress.



3 This will give you a visual summary of your class’s understanding of all topics on Diagnostic Questions in the form of a Knowledge Map



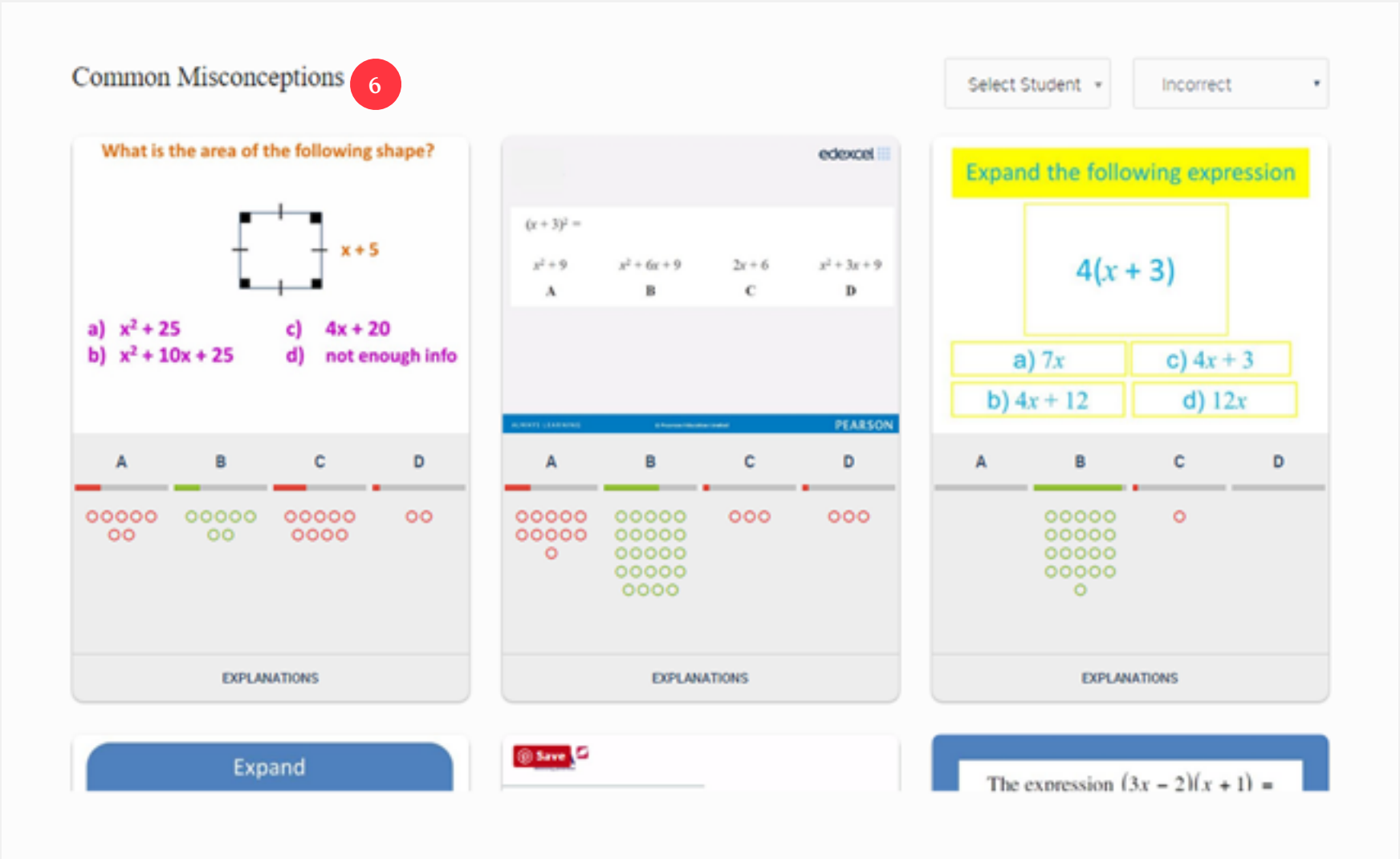
4 Hovering the mouse over different areas will reveal their names and your class’ performance in them



Once your students have been answering questions over a prolonged period of time, one of the most powerful things you can do on Diagnostic Questions is to get a measure of their progress.



5 Scrolling down will reveal that class’ top five areas of strength and weakness

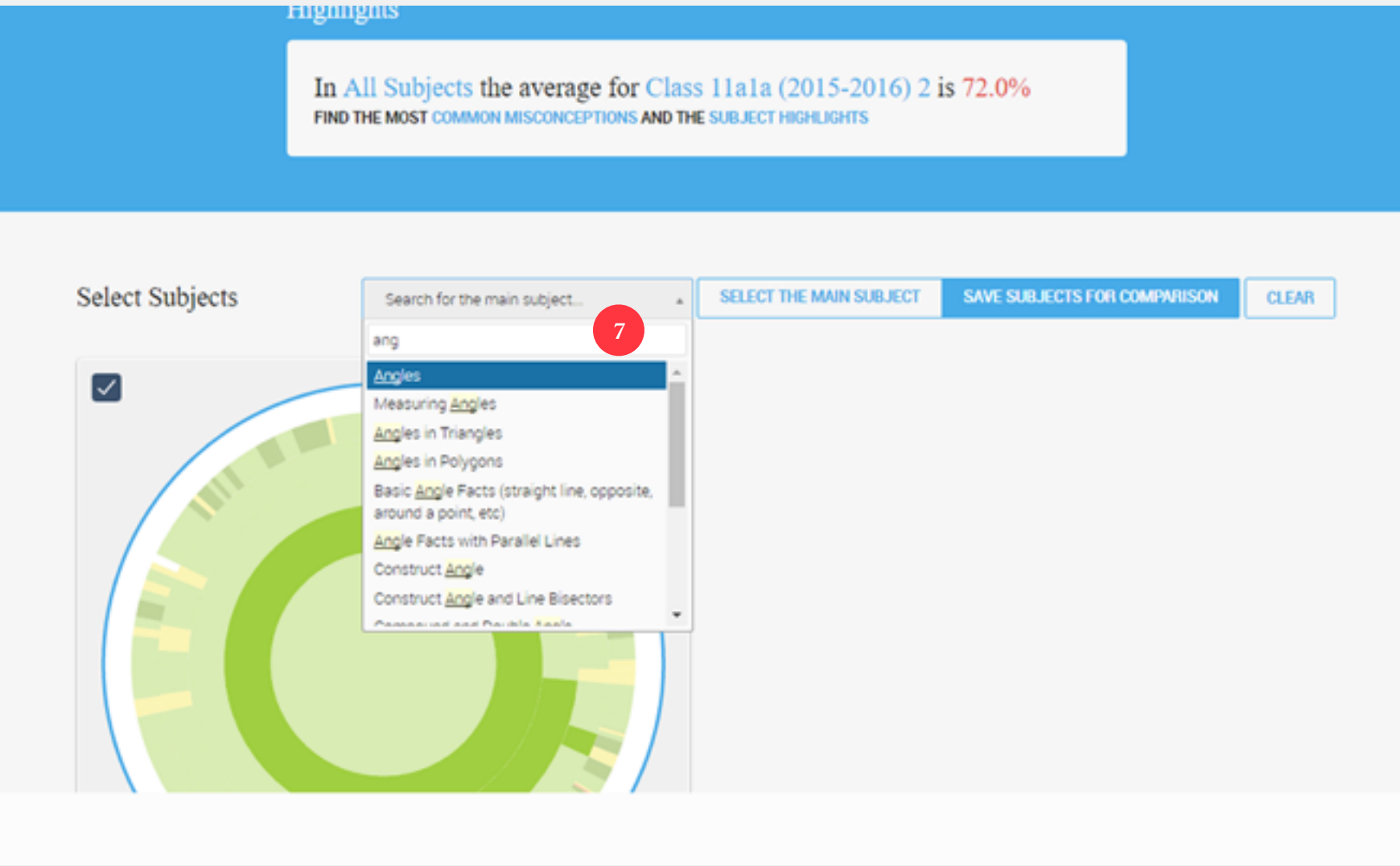


6 And scrolling down further will show you their worst answered questions, with each dot representing one of your students

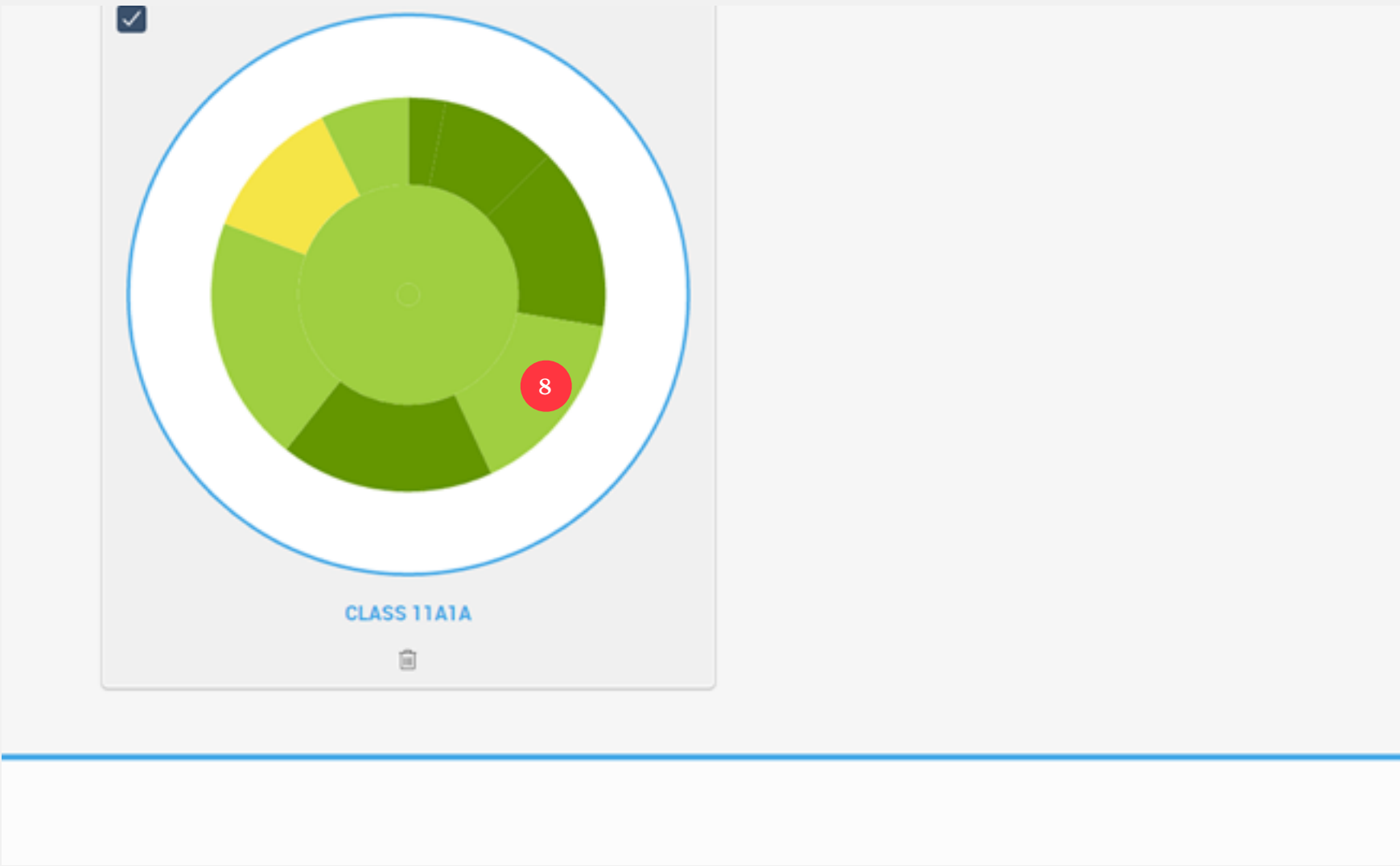
# How do I see how my class is doing over time?

NOW FREE!

Once your students have been answering questions over a prolonged period of time, one of the most powerful things you can do on Diagnostic Questions is to get a measure of their progress.



- 7 The beauty of this is you can filter these results by subject. So, say for example I was interested in how may class performs with all types of angles. I would scroll to the top and type “Angle” in the “Search for Main Subject” box



- 8 The Knowledge Map will adjust to focus solely on Angles

Once your students have been answering questions over a prolonged period of time, one of the most powerful things you can do on Diagnostic Questions is to get a measure of their progress.

Subject Highlights

TO IMPROVE

59% BEARINGS

73% ANGLES IN POLYGONS

73% CIRCLE THEOREMS

75% ANGLE FACTS WITH PARALLEL LINES

81% TYPES, NAMING AND ESTIMATING

STRENGTHS

85% MEASURING ANGLES

84% BASIC ANGLE FACTS (STRAIGHT LINE, OPPOSITE, AROUND A POINT, ETC)

83% ANGLES IN TRIANGLES

81% TYPES, NAMING AND ESTIMATING

75% ANGLE FACTS WITH PARALLEL LINES

Which angle is corresponding to angle x?

A) 30°

B) 210°

C) 150°

D) 030°

720°

60°

135°

120°

Find the missing angle x?

51°

151°

78°

9

And as you scroll down the page you will now see the top areas of strength and weakness in Angles

10

As well as the worst answered questions

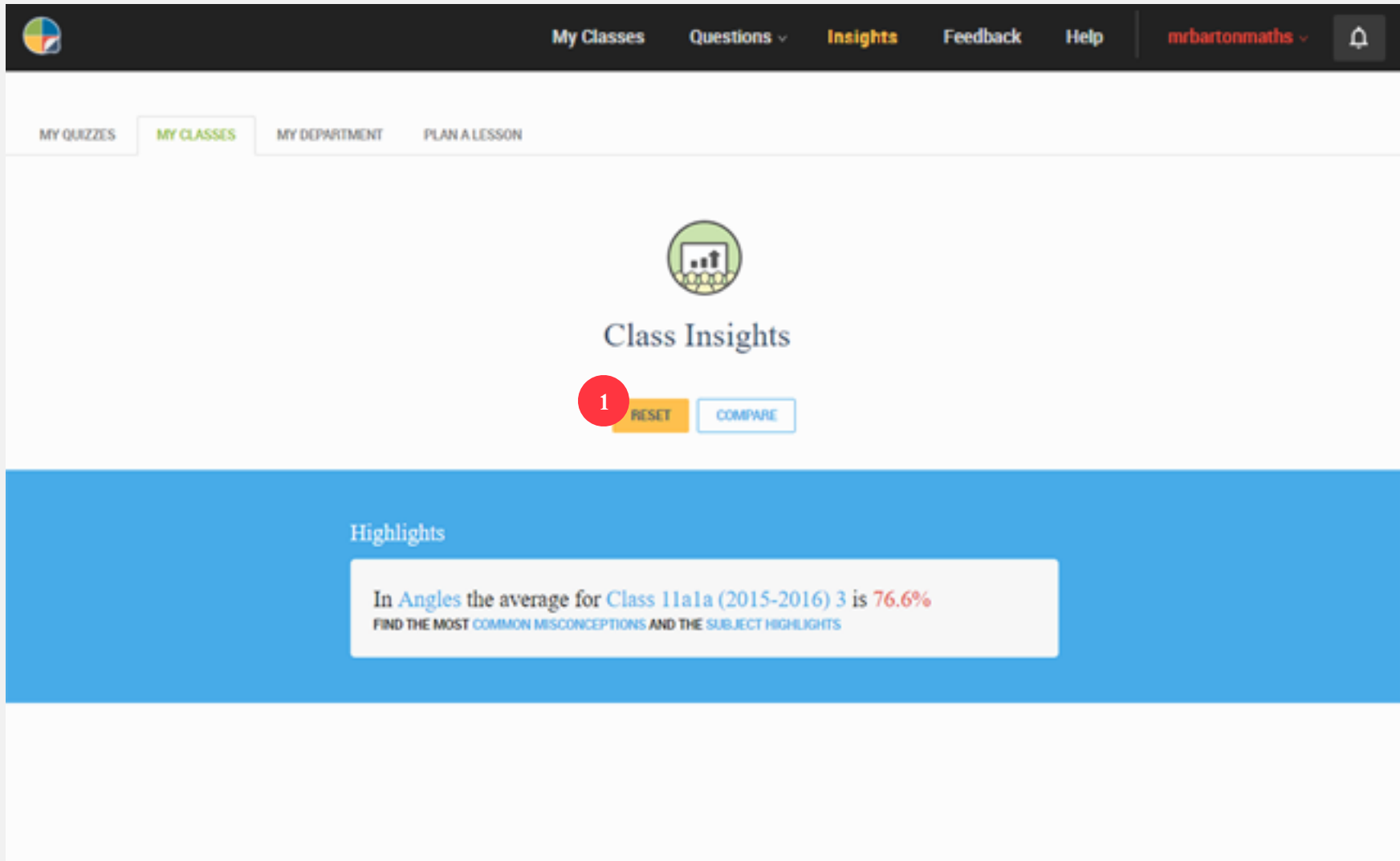
59

# How do I make comparisons?

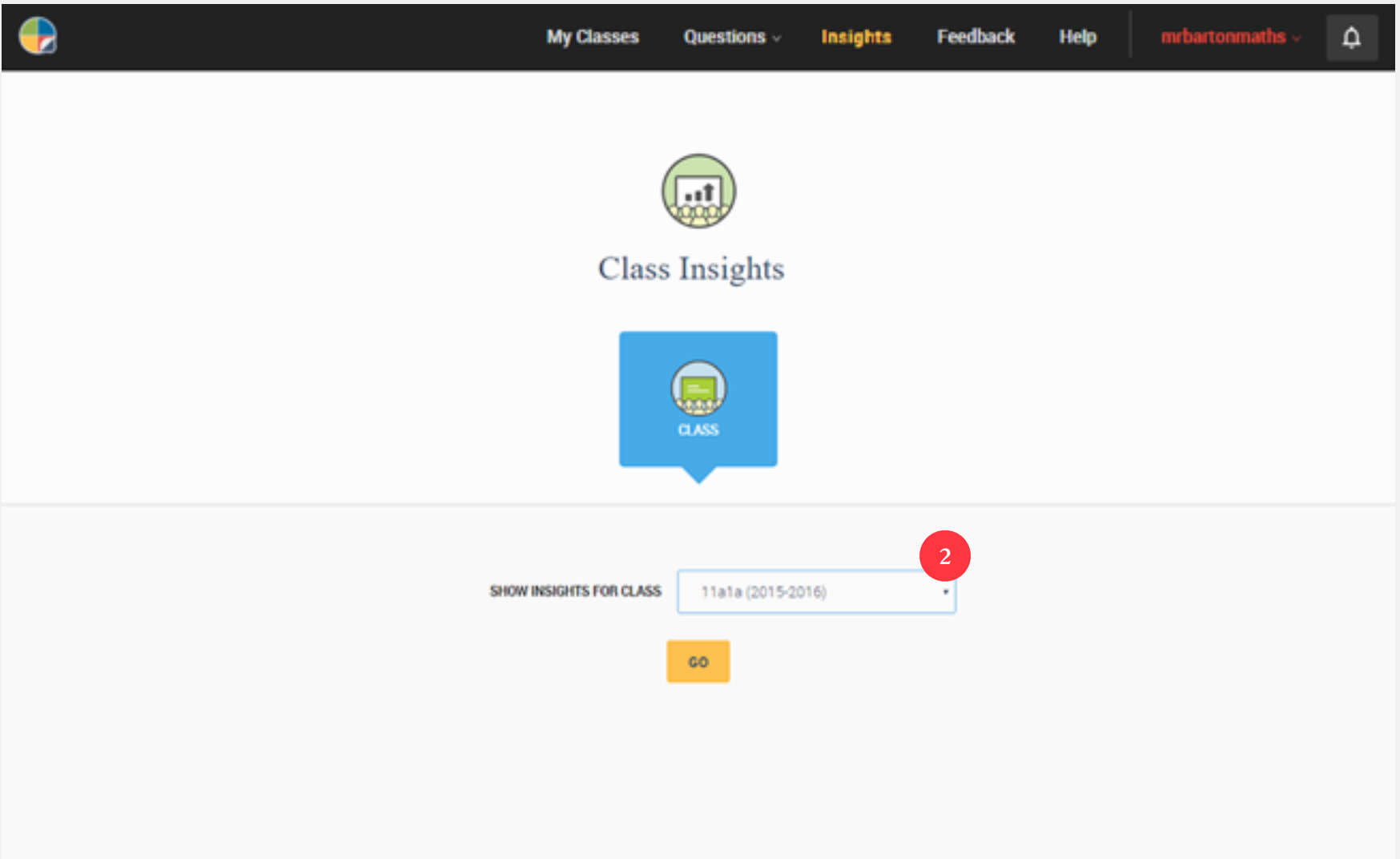
NOW FREE!

You can compare loads of interesting things using Diagnostic Questions. For example, compare girls and boys, two particular students, one student versus the rest of the class, your whole class across different time periods, your whole class against the same age group

The possibilities are endless, and they all work the same way. Let’s say I wanted to compare one girl with the rest of the girl in her class to see if I could pick up on any trends.



- 1 If you are already on the Insights page, scroll to the top of the page and click “Reset”



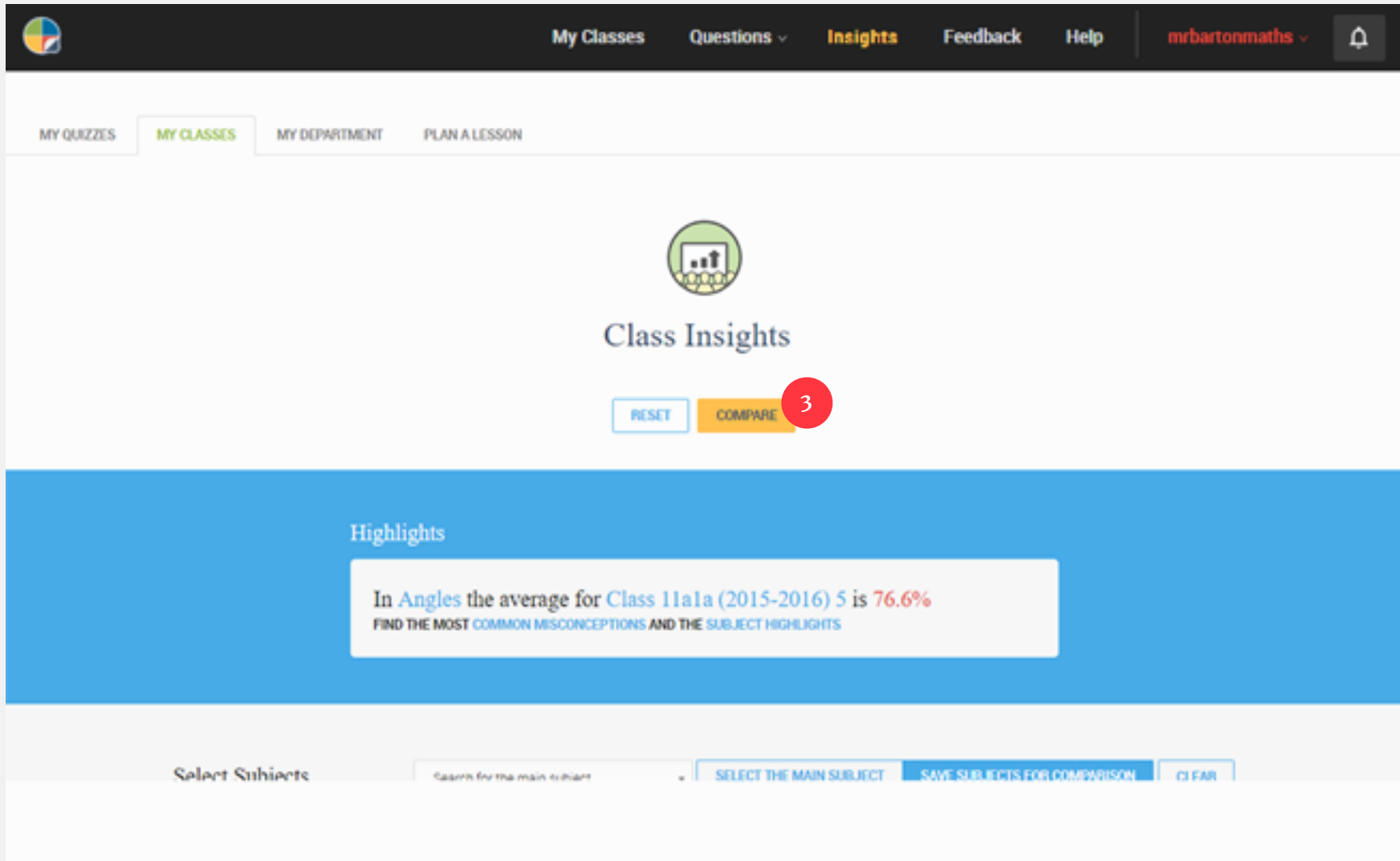
- 2 Choose the class you are interested in and click “Go”

# How do I make comparisons?

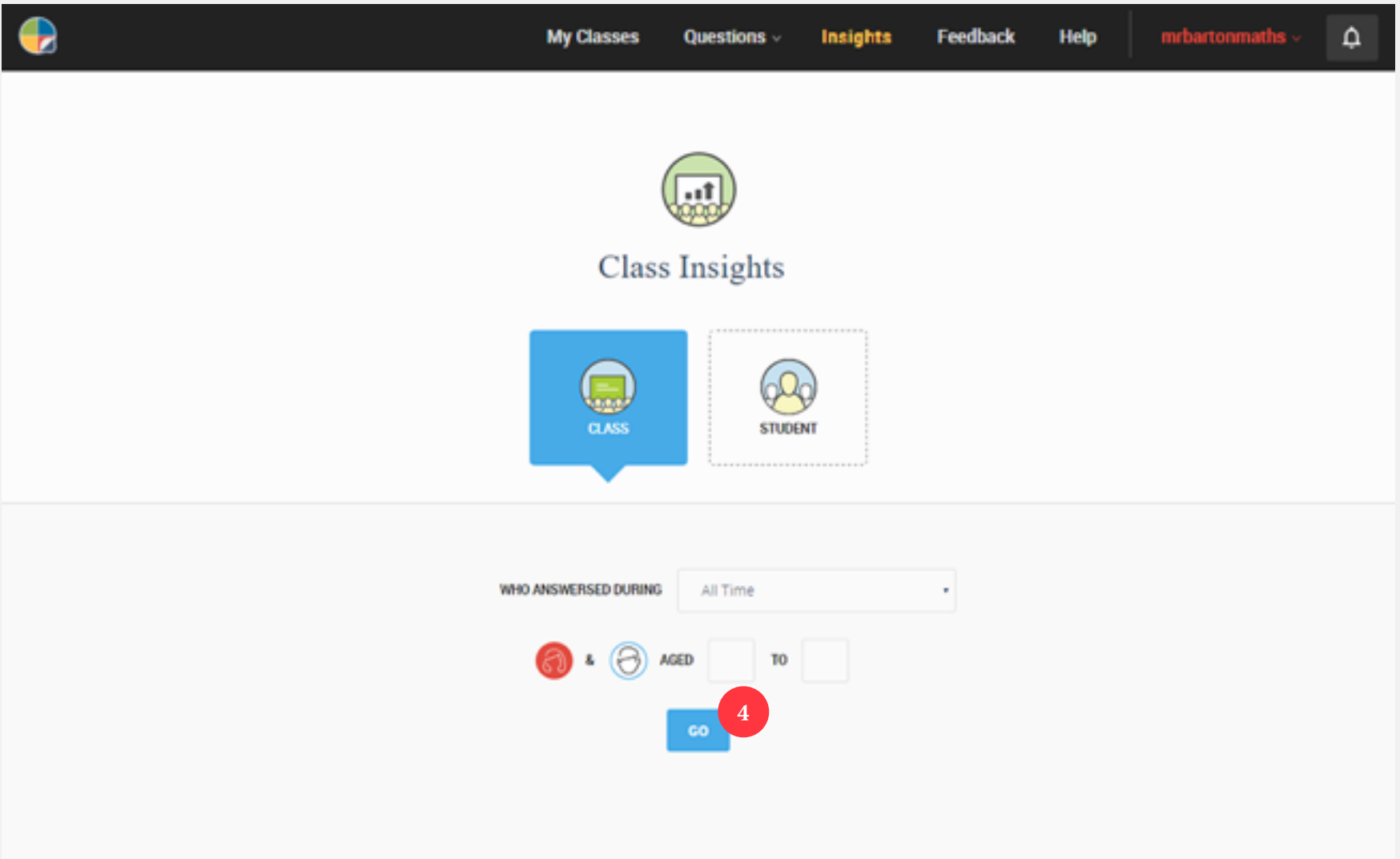
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The possibilities are endless, and they all work the same way. Let’s say I wanted to compare one girl with the rest of the girl in her class to see if I could pick up on any trends.



3 Now click “Compare”



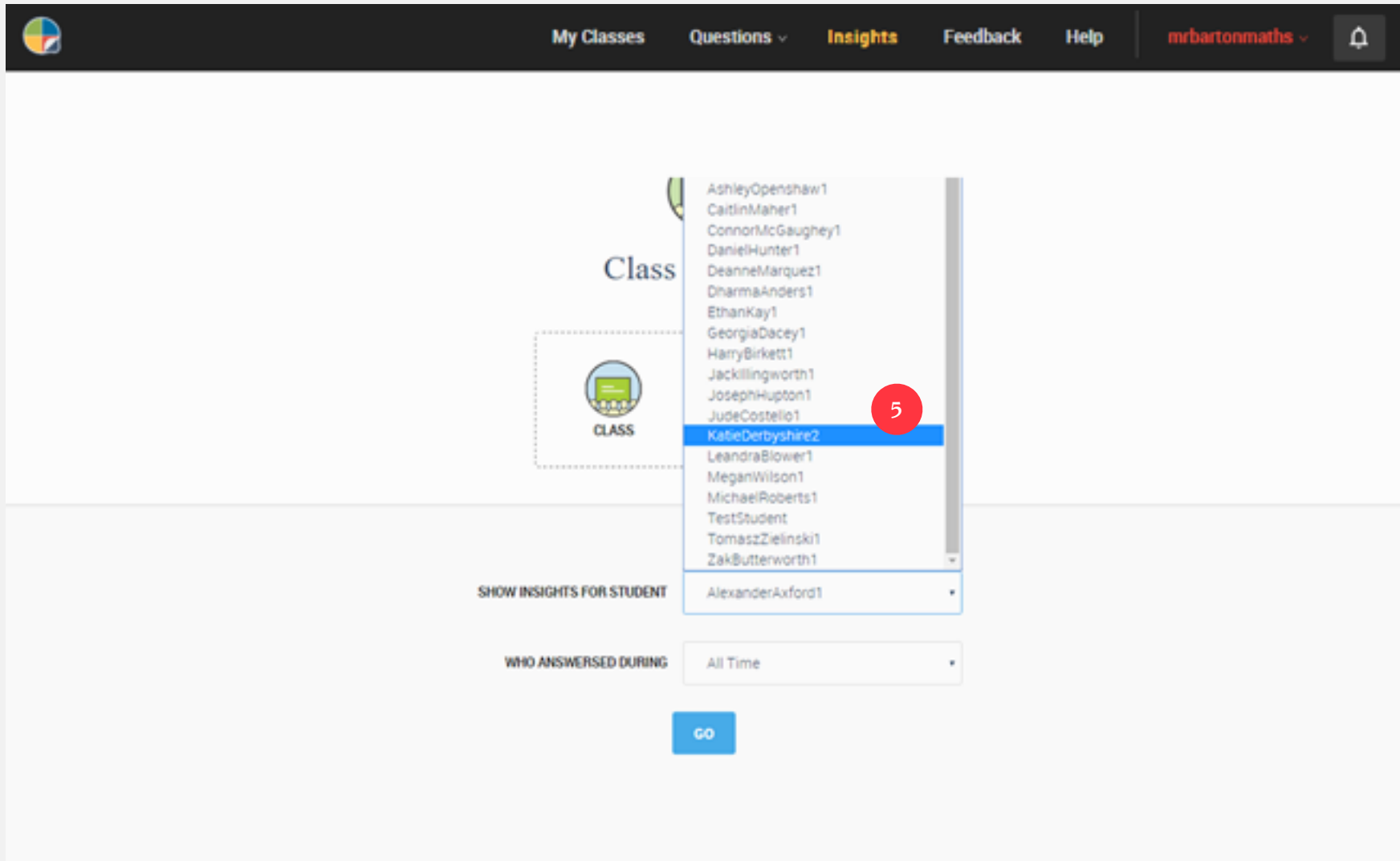
4 For my particular example, I first wasn’t to get all the girls together, so with Class already selected, I am going to click the Girl icon and then “Go”

# How do I make comparisons?

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You can compare loads of interesting things using Diagnostic Questions. For example, compare girls and boys, two particular students, one student versus the rest of the class, your whole class across different time periods, your whole class against the same age group

The possibilities are endless, and they all work the same way. Let’s say I wanted to compare one girl with the rest of the girl in her class to see if I could pick up on any trends.



- 5 Now I need to find my student. So, I will click “Compare” again but this time I will click on “Student” and find the one I am interested in



- 6 Click “Go” and scroll down the page. Delete any graphs you are not interested in until you have your two graphs side by side



# How do I make comparisons?

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The possibilities are endless, and they all work the same way. Let's say I wanted to compare one girl with the rest of the girl in her class to see if I could pick up on any trends.



- 7 Select any one of them, and scroll down to see individual strengths and weaknesses

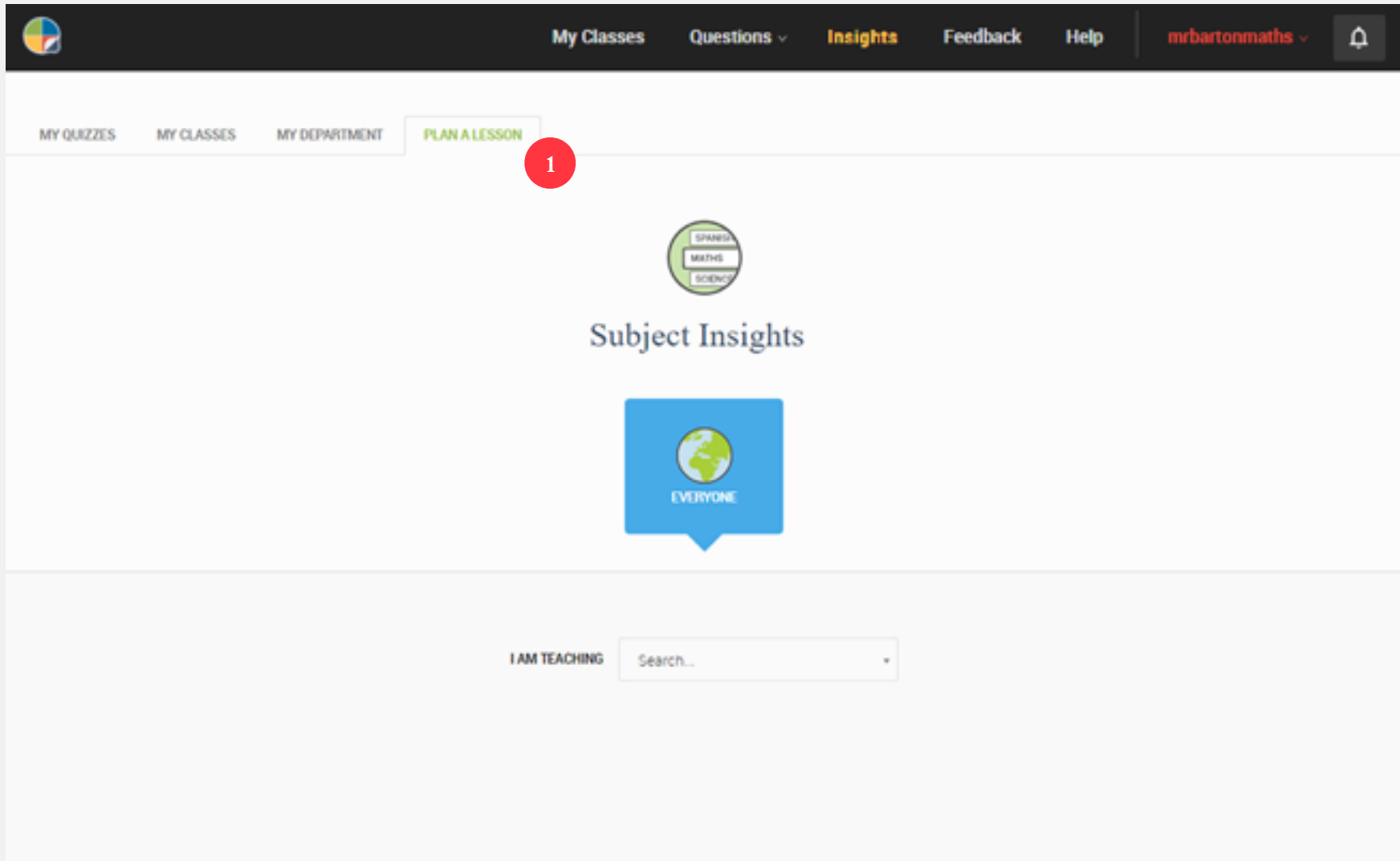




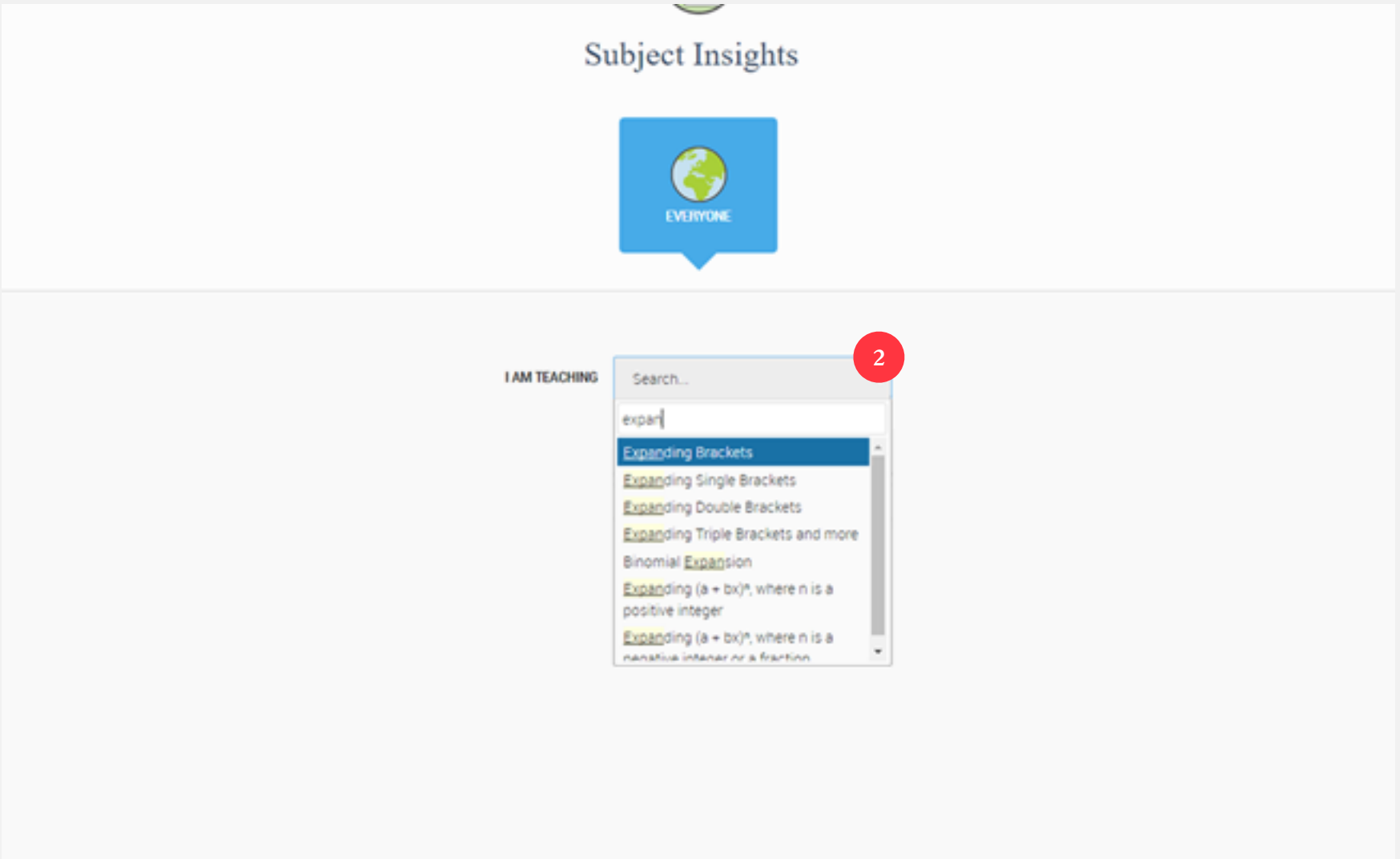
# How do I plan a Lesson?

As well as helping students all around the world learn from each other, one of the other reasons I built Diagnostic Questions was so teachers could plan better lessons.

It is possible to go into a lesson already armed with knowledge about what the most common misconceptions are likely to be before you have taught the topic. I really wish I had this during my first few years of teaching!



1 On the Top toolbar, click on Insights, and then click the “Plan a Lesson” tab

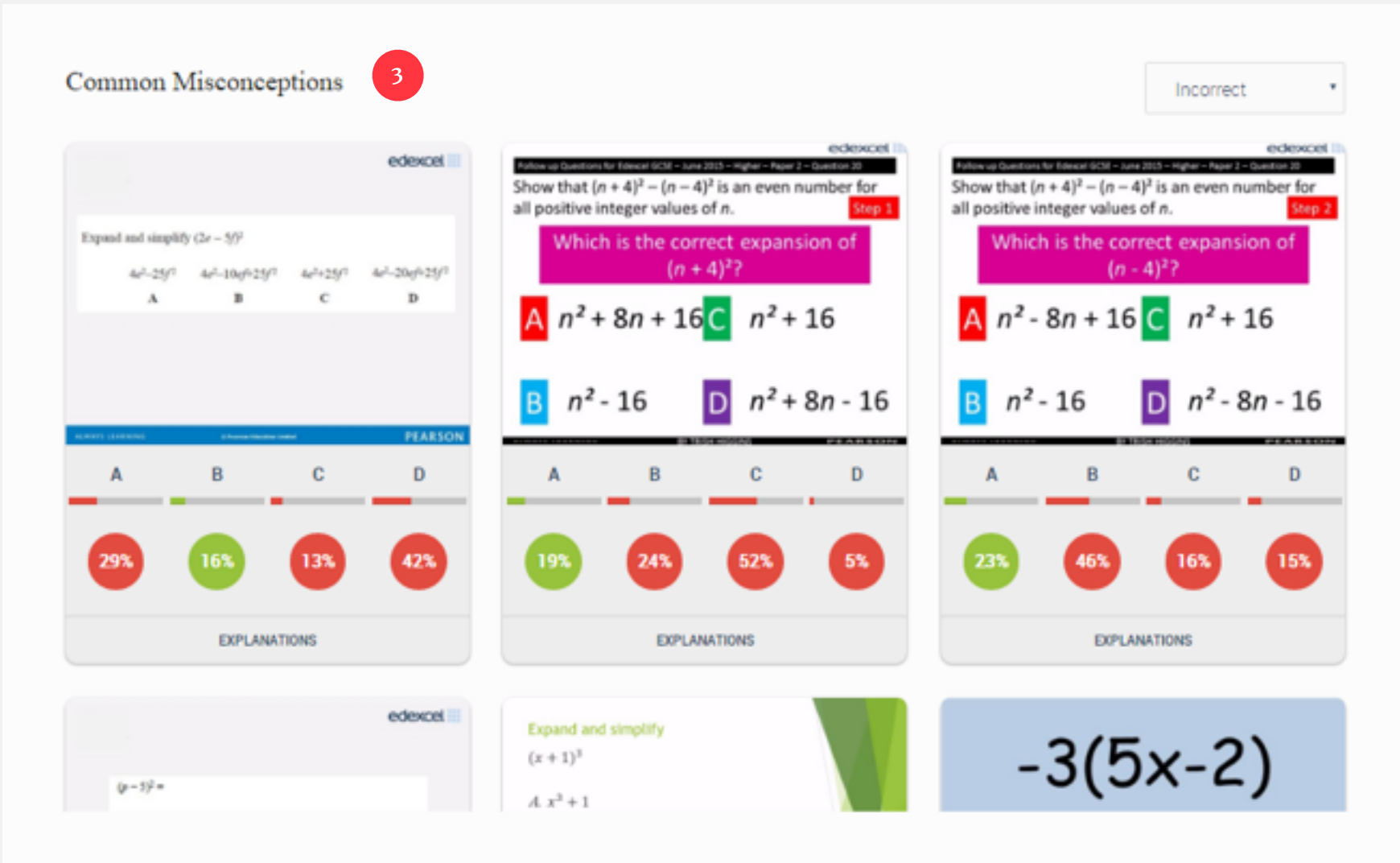


2 Choose the topic you are teaching – in this case “Expanding Brackets”

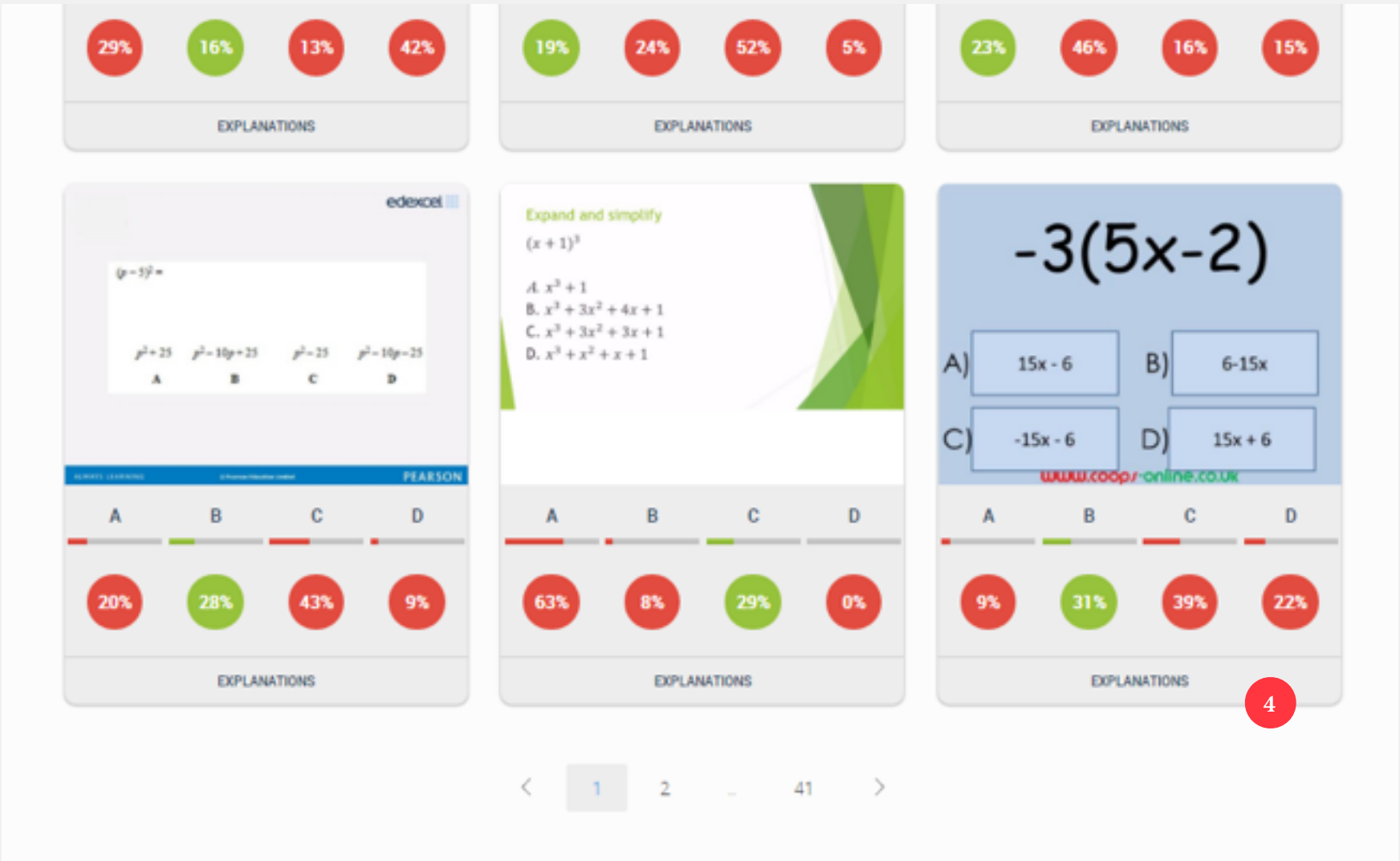
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3 Scroll down to the bottom of the page and you will get a list of the worst answered questions on your chosen subject, together with the distribution of the answers given by students



4 Choose one that catches your eye and click on "Explanations"

# How do I plan a Lesson?

As well as helping students all around the world learn from each other, one of the other reasons I built Diagnostic Questions was so teachers could plan better lessons.

$$-3(5x-2)$$

A)  $15x - 6$

B)  $6-15x$

C)  $-15x - 6$

D)  $15x + 6$

[www.coops-online.co.uk](http://www.coops-online.co.uk)

FILTER YOUR DATA

5 Scroll down and click on “Filter your Data”

It is possible to go into a lesson already armed with knowledge about what the most common misconceptions are likely to be before you have taught the topic. I really wish I had this during my first few years of teaching!

APPLY FILTER

Cohorts

COUNTS

PERCENTAGE

CLEAR ALL

	GROUP	A	B	C	D	TOTAL	OPTIONS
	All Users	9%	31%	30%	22%	491	Delete

Answers

B

☒ Explanation

Likes

6 You will see information about how different students have answered this question

# How do I plan a Lesson?

As well as helping students all around the world learn from each other, one of the other reasons I built Diagnostic Questions was so teachers could plan better lessons.

COUNTSPERCENTAGECLEAR ALL

	GROUP	A	B	C	D	TOTAL	OPTIONS
	All Users	9%	31%	39%	22%	491	Delete

Answers

B

AllA B C D

Explanation

Likes

	ANSWER	EXPLANATION	LIKES	
one year ago	B	because it is the answer	5	Like   Report

- 7
- Scroll down further, and select a different answer from the drop-down menu to read explanations of students who have got this question wrong

It is possible to go into a lesson already armed with knowledge about what the most common misconceptions are likely to be before you have taught the topic. I really wish I had this during my first few years of teaching!

C

Explanation

Likes

DATE ANSWERED	ANSWER	EXPLANATION	LIKES	
one year ago	C	Because $3 \times 5 = 15$ and then you add the - to make -15 and then $3 \times 2 = 6$ and then you add the minus again making it -6 and altogether it -6 and then you add them both together making it -15-6	0	Like   Report
one year ago	C	Because if you work that sum out it comes up with that because i did my workings out on a piece of scrap paper and thats what answer i got	0	Like   Report
one year ago	C	$3 \times 5 = 15$ but then you add your - so then it's -15 $3 \times 2 = 6$ but then because there are 2 - you turn it in to a positive number	0	Like   Report
one year ago	C	I think C because you do $5 \times -3 = -15$ and then $2 \times 3 = 6$ but a negative and a negative makes a + so it is 6 not -6.	0	Like   Report
one year ago	C	because if you take the minus away its 15 then you have to put it back on then i dont now the rest	0	Like   Report
one year ago	C	-3 times 5x gives you -15x. then -3 times -2 gives you -6. then altogether it gives you -15x-6	0	Like   Report
8 months				

- 8
- This should then give you a better understanding of where students are likely to go wrong before you come to teach!

**Thank you!**