

# Mathematics

## **Catch Up Work**

# Task Bar

When you have successfully logged in to MathsWatch this is the task bar at the top of your screen



Your screen will always open at **My Work**. This is where you will see the assignments set by your teacher.

The **Videos** section is where you can work independently. Here you will find video tutorials and practice questions.

**My Progress** enables you to track your progress. It will show you your strengths and topics you need to develop further.

**Extras** is the help section. Here you will find guidance on how to use Maths Watch.

# Assigned Tasks

After a successful login you will always be presented with your “My Work” section

"Mathematical Notations" is due in 1 day. [click here to complete](#)

Please check your assignments below, you have 1 unread message

### Assigned Work

This Year's Work All Work Showing All Types ▾

Homework Average: 97.3% Test Average:

Title	Type	Assigned	Due	Marks	%
Reading Scales	HW	29/09/2017	06/10/2017		
Mathematical Notations	TEST	25/09/2017	05/10/2017		
Ordering Numbers	HW	22/09/2017	29/09/2017	24/26	92%
Place Value	HW	15/09/2017	22/09/2017	11/11	100%
Pythagoras	HW	26/07/2017	09/09/2017	34/34	100%

Here you can see the list of tasks assigned to you by your teacher along with their due date.

You can see the scores of assignments you have already completed.

Your teacher is able to leave feedback to help with some of the questions you found challenging. You can even respond and request more help if needed.

Finally, you will also be reminded of any tasks still due by colour-coded banners.

You just have to click on a task to open it.

**HW –**  
Homework tasks are the type of assignments your teacher has been setting you during the school closure.

# Completing a Homework Task

**Homeworks** can be attempted as many times as you like until the due date. Your teacher will have access to your score at the end of each attempt. To help you with the completion of the task, the video explaining the topic will always be available to play just beneath the questions.

The screenshot shows a homework task interface for 'Reading Scales'. At the top, there is a blue header with the title 'Reading Scales' and a 'Return to Assigned Work' button. Below the header, there is a progress bar and a question: 'What numbers are the arrows pointing to?'. The question is followed by three number lines, each with an arrow pointing to a specific value:

- a) A number line from 60 to 70 with an arrow pointing to 65.
- b) A number line from 8 to 9 with an arrow pointing to 8.5.
- c) A number line from 2.5 to 3.5 with an arrow pointing to 3.0.

To the right of the number lines, there are three input boxes labeled a), b), and c), each with a 'Submit Answer' button. Below the question, there is a video player titled 'Clip 4 READING SCALES'. The video player shows a play button and a progress bar. To the right of the video player, there is a text area with the following text: 'Reading Scales', 'Your teacher might want to give you some advice on how to tackle this assignment.', and 'Their comments will appear here.'

**Always watch the video tutorial before answering any questions**

# Independent Work During the Summer Break

- To help you to secure your learning it is important to work independently.
- You can do this on Maths Watch by clicking on the **Videos** tab.

When you click on **Videos** you will be presented with this screen

**Video tab**

MathsWatch

My Work **Videos** My Progress Extras Bethan's account  
Logout  
267 days until renewal

Video

Find a Clip

Qualification GCSE (WJEC)

Tier All

Grade All

Topic All

Search trig

Only Numeracy

Choose Clip (8)

Clip	Title
180	Trigonometry
200a	Trigonometric Graphs - Sine and Cosine
200b	Trigonometric Graphs - Tangent
201b	Transformation of Trigonometric Functions
213	The Sine Rule

MathsWatch

Please choose a video in the menu opposite.

You need to check your qualification. Years 10 and 9 should have GCSE (WJEC) Years 8 and 7 KS3

# Years 10 and 9

The screenshot shows a 'Find a Clip' interface with the following filters:

- Qualification: GCSE (WJEC)
- Tier: Intermediate
- Grade: C
- Topic: Number
- Search: (empty)
- Only Numeracy

Below the filters is a table titled 'Choose Clip (9)' with the following data:

Clip	Title
123	Reciprocals
124	Highest Common Factor (HCF)
125	Lowest Common Multiple (LCM)
126	Rounding to Significant Figures

Set 1 Higher Tier

Sets 2 and 3 Intermediate Tier

Sets 4 and 5 Foundation Tier

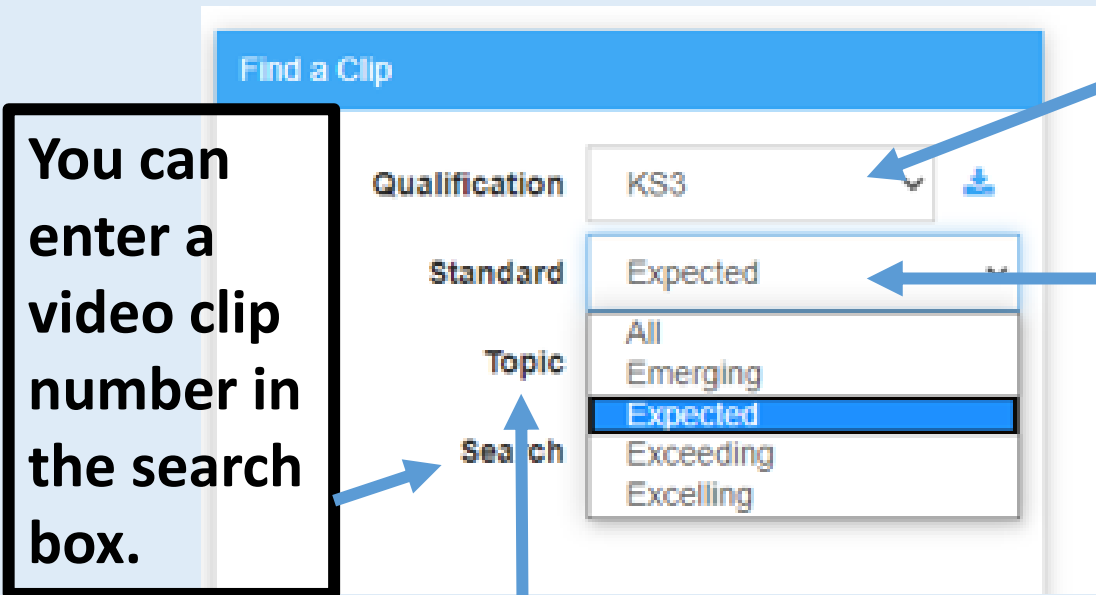
You can target a grade or all.

You can select a topic or have all.

You can enter a video clip number in the search box.

You can also just select Numeracy

# Years 7 and 8



You can enter a video clip number in the search box.

You can select a topic such as number, algebra, geometry, statistics, ratio and probability.

You must select KS3

Select a standard or All

Emerging Low ability

Expected The standard you should aim to reach.

Exceeding and Excelling High ability.



Answer the interactive questions after watching the video.

Clip A5 Horizontal and Vertical Lines

Interactive Questions

Worksheet

Find a Clip

Qualification: KS3

Standard: Expected

Topic: All

Search:

Choose Clip (77)

Clip	Title
A5	Horizontal and Vertical Lines
A6	Collecting Like Terms
A7a	Algebraic Simplification - Multiplication
A7b	Algebraic Simplification - Division
A8	Expanding Brackets
A9	Factorisation
A10	Substitution
A11a	Sequences - Term-to-Term Rule
A11b	Sequences - Position-to-Term Rule

07:12

Select a topic

Click play to watch the video

# Progress made during Independent Work.

Acquiring and mastering skills are measured only with **Independent Work**.



To Acquire a skill, simply watch fully its video and then successfully complete 2 Standard Interactive Questions and 2 Harder Interactive Questions.

A skill is Mastered by correctly answering all its Interactive Questions.

# Keeping Track of Progress

The "My Progress" section will help you stay in control of your progress and achievements.



Topics Watched



Questions Answered



Acquired Skills



Mastered Skills

Note your teacher tracks your progress too and has access to all this information. Your teacher will know how well you are doing, how many videos you have watched, how many questions you have answered and how much independent work you have completed. They will use the information to help you improve.

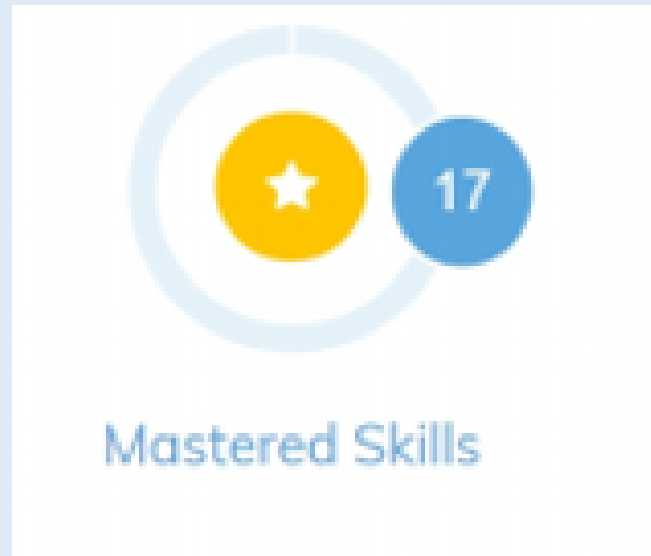
#	Skill	Video	Last Watched	Views	OMM	Interactive Questions	Last Attempted
1	★	Place Value	9:15 11/9/2018	1	0	29 / 29	21:02 11/9/2018
2	★	Ordering Integers		0	1	11 / 11	21:14 11/9/2018
3	★	Ordering Decimals	18:07 12/9/2018	1	0	20 / 20	15:50 13/9/2018
4	★	Reading Scales	17:41 10/9/2018	1	0	17 / 17	16:09 13/9/2018
5	✓	Simple Mathematical Notation	15:53 13/9/2018	1	0	20 / 25	16:17 13/9/2018
6a	★	Real-Life Tables - Time	16:50 13/9/2018	1	0	23 / 23	16:58 13/9/2018
6b	★	Real-Life Tables - Timetables and Distance Tables	18:40 13/9/2018	1	0	19 / 19	18:50 13/9/2018
7	★	Introduction to Algebraic Conventions		0	0	17 / 17	18:55 13/9/2018

Using the various filtering options, you can quickly identify your areas of strength and those in need of further development.

Clicking on the column headers can also help you sort the data in a more convenient way. This can be used very effectively to quickly remind yourself of which topics you recently covered, as well as of those that you haven't tackled yet.

# Rewards

There will be prizes for the pupils who master the most skills.



# Help Section

- To know how to write answers using the correct mathematical notation and use the construction tools watch the following videos

# How to type powers

Diagram illustrating the components of a power:

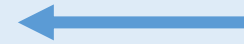
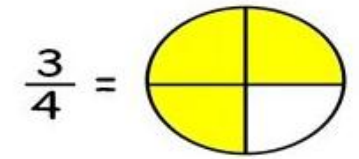
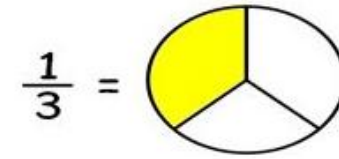
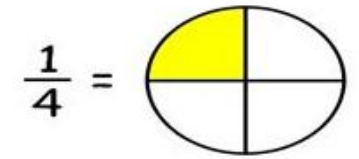
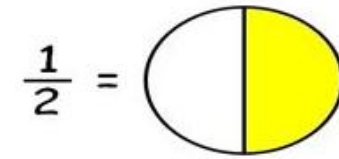
$$4^3 = 4 \times 4 \times 4$$

The diagram shows the equation  $4^3 = 4 \times 4 \times 4$ . A blue arrow points from the label "Base" to the first '4' on the left. A pink arrow points from the label "Index or Power" to the '3' on the left. A green arrow points from the label "Expanded Form" to the entire right-hand side of the equation.



**Click on the diagram to watch a video showing you how to type powers**

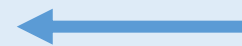
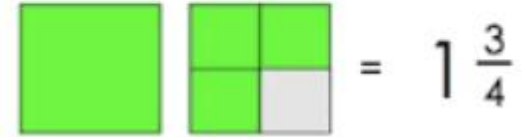
# How to type fractions



**Click on the diagram to watch a video showing you how to type fractions**

# How to type mixed numbers

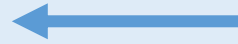
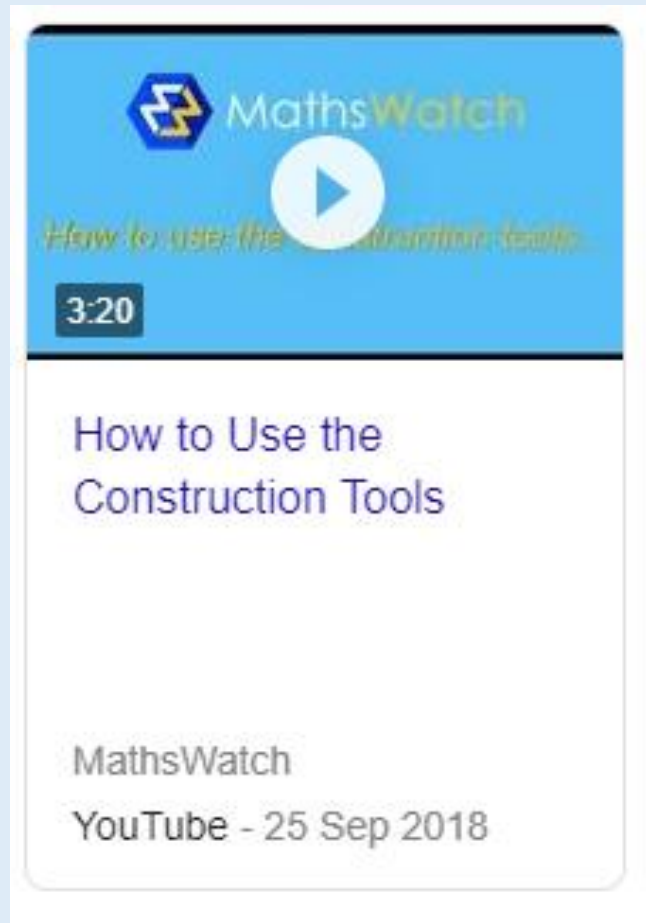
- A mixed number has a part that is a whole and a part that is a fraction.



**Click on the diagram to watch a video showing you how to type mixed numbers.**



# How to use the construction tools



**Click on the diagram to watch a video showing you how to use the construction tools.**

# How to draw an angle



**Click on the diagram to watch a video showing you how to draw an angle.**

This PowerPoint can be found on the school website in the Maths curriculum area.

It will also be posted on Google Classroom.