



Ensuring your child thrives at home with their maths...

What is hegartymaths?

HegartyMaths is the best way for your child to learn maths on their own at home.

1. Every single topic in school maths (900+) is explained in 10 minute video tutorials designed and delivered by, Mr Colin Hegarty. Mr Hegarty is an-award winning teacher who won UK Teacher of the Year 2014 and was nominated in the top 10 teachers in the 2016 Global Teacher Prize. Your child does not have to feel stuck at home as Mr Hegarty can explain any topic to them.
1. After every video, HegartyMaths, has an assessment with questions covering everything taught in the video so students can practise and ensure they understand the maths Mr Hegarty just presented.
1. HegartyMaths records everything your child ever does on the system (their progress and effort), reporting it back to the teacher and to the child so it's clear what their strengths and weaknesses are and how hard they are working.
1. HegartyMaths allows a parent to see everything their child needs to learn and support them. Often parents who may be unsure of the schools methods like to watch the videos along with their child and understand the techniques their child needs to know.
1. HegartyMaths, remembers all the child's mistakes and gives them practice on their weaknesses so they can do impactful independent learning.

The whole curriculum is online for your child to have access to.



Weekly homework routines.....

- The class teacher will set your child their assignments
 - KS3 assignments every two weeks – duration of 30 to 40 minutes
 - KS4 two to three assignments weekly – duration of 45 to 60 minutes
- Your child needs to watch the video and make notes in their homework booklet provided
- Your child needs to calculate the quiz answers in their hegarty booklet and then submit their answers
- A score will be given at the end if it is less than 70%, your child is encouraged to repeat the process
- The hegarty booklet needs to be brought into school each week to show their Maths teacher



hegarty**maths**

Rewards and Sanctions

Certificates will be given to the top three user in each year group, and £5 amazon gift voucher will be given to the top user.

If the hegarty video is not watched, the quiz is not completed or the booklet has not been taken into to their lesson your child will be given a consequence and this could include a detention

What does a homework on hegarty maths look like?

The screenshot shows the Hegarty Maths interface for a lesson titled "Perimeter (4)". On the left, a video player displays a hand-drawn diagram of a compound shape (a rectangle with a smaller rectangle cut out of its bottom-left corner). The dimensions are labeled: the top horizontal side is 8m, the right vertical side is 12m, the bottom horizontal side is 8m, and the inner vertical side of the cutout is 5m. Handwritten notes in blue and yellow ink show the perimeter calculation: $2 \times 12 = 24m$ and $8 + 5 + 5 + 8 = 26m$. A red play button is overlaid on the video player. To the right of the video player, the text "551 - Perimeter (4)" is displayed, followed by "Learn how to find the perimeter of a compound shape." Below this, it says "Video watched 0.00x" and "Your score New lesson HegartyMaths avg 60%". At the bottom right, there is a blue button with a white right-pointing arrow and the text "Do quiz".

Step 1:

Video where Mr. Hegarty teaches your child everything they need to know about that topic & goes through all the examples that will be in the quiz.

Step 2:

Quiz that will allow your child to practise all the examples in the video for themselves and know whether they understood what was in the video.

Step 1:

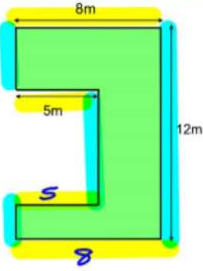
Watch the quiz and make notes in the homework booklet


Perimeter (4)

Example
Work out the perimeter of this shape.

$2 \times 12 = 24m$


$8 + 5 + 5 + 8 = 26m$








You can turn each video into fantastic notes in your hegartymaths homework books.


Notes
Hegarty Maths Perimeter (4) 14th July 2016

Example 1

Perimeter = $7 + 7 + 7 + 7 = 28mm$
Don't forget units!

Example 2

 $P = 4 + 9 + 4 + 9 = 18 + 18 = 36m$
 $P = 2 \times 9 + 2 \times 4 = 18 + 8 = 26m$
 $P = 2 \times (4 + 9) = 2 \times 13 = 26m$
Doesn't matter which method you use, they all work!

Example 3

 $P = 6 \times 9 = 54m$
Regular means all sides are the same length.

Example 4
Work out the perimeter of a square with side length 5cm.
Always draw a sketch from the information given.

 $P = 4 \times 5 = 20cm$

Example 5
Work out the perimeter of an equilateral triangle with side length 4.1mm.
Some are regular.
 $P = 3 \times (4.1) = 12.3mm$
Use appropriate law of multiplication.


Here is an example of a great homework!

Step 2:

Assess your learning from the video in a quiz.

Geometry & measure > Area > 555 - Compound shapes > Quiz

1 of 8

Work out the area of the shaded shape.

3cm
4cm
11cm
6cm

The diagram is not drawn to scale.

cm²

Do not use a calculator

Get help

Report a mistake to HegartyMaths

Quit assessment

On-screen keypad OFF

Check

Skip

You need to:

- 1) Write down every Q
- 1) Always show all your workings
- 1) Always mark + self-correct your work

Perimeter of Shaded Shape? No Calculator

1) Perimeter of Shaded Shape?
4 sides all with single dash
↳ Square
2mm
 $P = 4 \times 2$
 $= 8 \text{ mm}$ ✓

2) Perimeter of Shaded Shape?
Rectangle
6m
11m
 $P = (2 \times 6) + (2 \times 11)$
 $= 12 + 22$
 $= 34 \text{ m}$ ✓

3) Perimeter of Shaded Shape?
6 equal sides
↳ Hexagon
5m
 $P = 6 \times 5$
 $= 30 \text{ m}$ ✓

Your child will **always** show their workings and mark all questions they ever do. **If your child can do the question in their head they still need to show their workings as that is part of being a great mathematician.**

Student checklist for great weekly homework

	Action	✓ or ✗
1	I always write the date, title, clip number and H/W for all my tasks.	
2	I always watch the video before attempting the questions.	
3	I always take full notes of all the examples modelled in the video.	
4	I copy every question that I attempt in my book.	
5	I show all my workings for every question in the quiz that I do.	
6	I try to model my work the way I was shown in the video by Mr Hegarty.	
7	I use a pencil and ruler for all diagrams.	
8	I mark my work correct/incorrect as I go.	
9	I write down corrections when HegartyMaths tells me the correct answer.	
10	I write down my score at the end of quiz .	

What to do if your child is stuck on their homework?

The screenshot shows the HegartyMaths interface. At the top, there's a lesson titled "Area of sector (2)" with a video player and a "Continue quiz" button. Below this, under "Building blocks", there are three lessons:

- 546 - Area of a sector (1)**: Geometry & measure > Circle measure. Last learned 01:51 Fri 29th Jun 18. Video watched 0.01x. Completed in 1min. Your score 10%. HegartyMaths avg 70%. Feedback 0 (0 new).
- 557 - Triangles (1)**: Geometry & measure > Area. Last learned 01:57 Fri 29th Jun 18. Video watched 0.01x. Completed in 2mins. Your score 100%. HegartyMaths avg 73%. Feedback 0 (0 new).
- 56 - Round decimal numbers**: Number > Decimals. Last learned 01:55 Fri 29th Jun 18. Video watched 0.61x. Completed in 1min. Your score 92%. HegartyMaths avg 79%. Feedback 0 (0 new).

1) Watch the **video again** really carefully ensuring all examples are copied and see if hearing and writing it down a second time helps.

2) Look at the **building blocks**. These are the lessons that will help your child with your current homework. If these are not at 100% or less than the hegarty maths avg. then they should redo those as it will help on their current work.

In the picture, the student will struggle with homework 547 as they have only 10% on lesson 546.

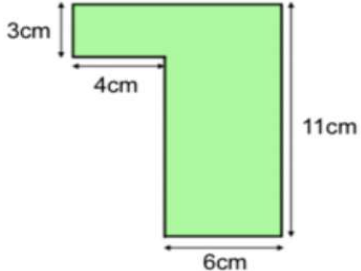
What to do if your child is stuck on their homework?

Geometry & measure > Area > 555 - Compound shapes > Quiz

1 2 3 4 5 6 7 8

1 of 8

Work out the area of the shaded shape.



The diagram is not drawn to scale.

cm²

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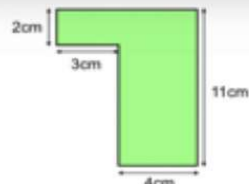
Click here to get a walk-through of a really similar example from the video!

Compound shapes

Area - compound shapes

Example

Work out the area of this shape.



MORE VIDEOS

1:11 / 9:18

YouTube

Why does your child always have to watch the video?

- 1) **Ensures your child will be successful:** Watching the video will ensure your child will do well in the quiz and feel good about their homework and maths. We don't want your child to feel like they are on their own at home and the videos will give you the support they need to guarantee that they have a successful homework.
- 1) **Helps improve their memory:** Copying down modelled examples helps your child remember their maths and get it into their long term memory.
- 1) **Method marks:** Copying down modelled examples helps your child practise how to lay out their maths properly to help them get questions correct and get extra method marks in exams even when they make mistakes.
- 1) **Good revision:** This is revision. When revising one sometimes has to look over material one already knows – that's just as important as learning new things as making old learning solid helps prevent students from forgetting things
- 1) **We think it's important as it helps your child be independent:** Doing maths at home with these good habits and methods will help your child become more independent and be able to learn on their own (a vital life lesson).

What happens when students decide not to watch the video?

- 1) **Students get stuck and frustrated:** Many students who just do the quizzes get really annoyed and frustrated with themselves as they make lots of mistakes and don't understand why or how to get better.
- 1) **Students stay at the same level:** Students who just practise questions only get questions correct on topics they already know and they get questions wrong for topics they don't know yet. They never improve. Watching the video means that for things you already know, you will secure that knowledge, and for things you don't know yet, you can learn and get better.

What happens when students use **hegarty**maths properly?

- 1) Students start enjoying maths and understand more in lessons.
- 1) Students like doing their homework as they feel successful.
- 1) Students do well in their exams.

What if your child has done all their homework – what else could they do?

2) Fix up 5: hegartymaths remembers every mistake your child has ever made and generates a quiz with 5 questions from different parts of maths that they are weak on so they can re-do them with the video and **Fix Up!**

The screenshot displays the 'Fix Up 5' interface on the hegartymaths website. The page features a navigation bar with the hegartymaths logo, a 'Choose lesson' button, a search bar, and a 'Fix Up 5' button. The main content area is titled 'Fix Up 5' and contains a table of 10 items, each with a score, time, and date completed. A large circular progress indicator shows '13 Questions fixed up this year in 0.3hrs'. Below this are buttons for 'Start', 'My current streak 1', and 'My best streak 3'.

Fix Up 5 no.	Score	Time	Date completed
244	2/5	1min	19:11 Fri 7th Sep 18
243	1/5	< 1 min	17:51 Fri 7th Sep 18
242	1/5	1min	15:49 Fri 7th Sep 18
241	3/5	4mins	11:46 Fri 7th Sep 18
240	1/5	1min	15:57 Thu 6th Sep 18
239	2/5	5mins	17:05 Wed 5th Sep 18
238	1/5	2mins	17:51 Tue 4th Sep 18
237	0/5	< 1 min	16:48 Tue 4th Sep 18
236	2/5	3mins	16:48 Tue 4th Sep 18
235	0/5	1min	14:23 Mon 3rd Sep 18

Click here to learn about our Fix Up 5.

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This girl spent 89 hours on quizzes, 14 hours on videos and 10 hours doing Fix Up 5. She completed all lessons on the site at 100% and got a **grade 9** having been predicted a 5.

Thank you for your support in your child's Math's Education.

Working together
to achieve the best
outcomes for your
child!

For any questions
regarding hegarty
maths please be in
touch

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