

Welcome to GCSE Maths

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What is GCSE Maths All About?

- Three 1½ exams papers each worth 80 marks (1 non-calculator and 2 calculator)
- Foundation and Higher Tiers papers
- All 3 papers must be sat at the same tier
- Higher awards grades 9-4
- Foundation awards grades 5-1
- Tier of entry decided on by school
- Prominent focus on problem solving and inter-leaved questions
- Still lots of recall questions
- Students have to memorise lots of formulae



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What is GCSE Maths All About?

- All content can be examined on any paper
- Approximate proportions of each topic area per tier

	Number	Algebra	Ratio & Proportion	Statistics & Probability	Geometry & Measures
Higher	15%	30%	20%	15%	20%
Foundation	25%	20%	25%	15%	15%



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What is GCSE Maths All About?

(a) Solve $\frac{2x}{3} = 6$

Solving equations

$$x = \frac{\quad}{\quad} \quad (2)$$

(b) Solve $2(n + 5) = 15$

$$n = \frac{\quad}{\quad} \quad (2)$$

This type of question follows a set method which can be perfected with practice



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What is GCSE Maths All About?

Real-life context

Here is a diagram of Jim's garden.

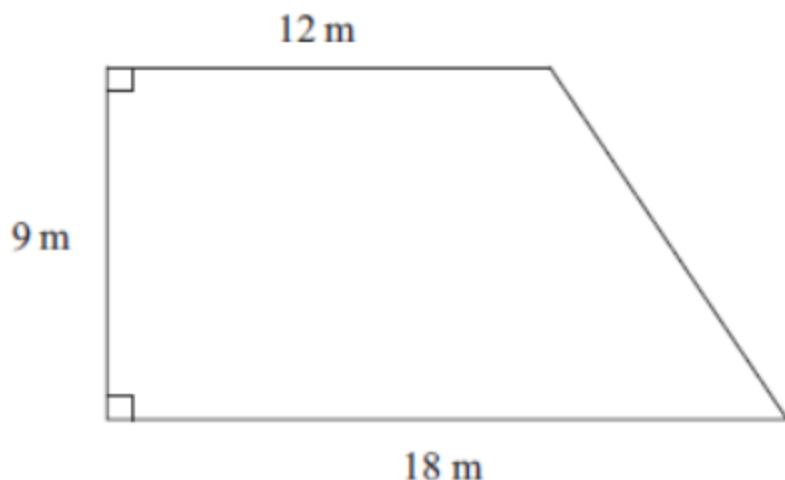


Diagram **NOT**
accurately drawn

Diagram

Multi-step

Area of a
trapezium or a
compound
shape

Involves
money

Jim wants to cover his garden with grass seed to make a lawn.

Grass seed is sold in bags.

There is enough grass seed in each bag to cover 20 m^2 of garden.

Each bag of grass seed costs £4.99

Work out the least cost of putting grass seed on Jim's garden.

Wordy

5 marks



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What can your child do to achieve in Maths?

- Arrive with the correct equipment including a working scientific calculator
- Ensure they have correct equipment in order to complete work at home
- Ask teacher for past papers – complete at home and hand into teacher to be marked
- Make or buy a set of revision cards/buy a revision guide from school
- Attend catch up sessions and meet homework deadlines



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What can your child do to achieve in Maths?

- Prioritise!!!! – the easiest thing is to revise the subjects and topics that they are confident with but it is the complete opposite of what they need to do. Speak to their teacher if they are unsure of what to focus on
- The only way to get better at maths is PRACTICE, PRACTICE, PRACTICE – it is not too early to draw up a revision timetable and stick to it
- Reading a revision guide without working through questions does not work for the vast majority of pupils
- Confidence – be willing to have a go as even partially correct answers often get marks
- Do not ignore things you are struggling with



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Useful Websites

- www.corbettmaths.com
- www.mathsgenie.co.uk
- www.bbc.co.uk/bitesize
- www.onmaths.com
- www.justmaths.co.uk

Login CardinalStudent Password Cardinal

- www.hegartymaths.com



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Hegartymaths

Number > Arithmetic with positive integers

6 - Related multiplication & division facts

Learn how to use a single multiplication or division fact to work out 3 other connected facts

📺 Video length: 6 mins

🕒 Average score: 86%

🕒 Average time to complete assessment: 2 mins

Set task

Related multiplication and division facts

Related calculations

$5 \times 3 = 15$

$3 \times 5 = 15$

$15 \div 5 = 3$

$15 \div 3 = 5$

Making links

05:41

CC

hegartymaths

Hover over a question to preview it

1

2

3

4

5

6

7

8

9

HELP



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