Passport to a
Strong Pass (Grade 5)

Name:_____

edexcel

Sparx Maths

MATHEMATICS

What you need to succeed

- ☐ Belief than anyone can do maths
- ☐ Revision timetable created
- ☐ Casio/scientific Calculator
- ☐ Geometry set
- ☐ Edexcel revision book (Foundation)
- ☐ I know my SPARX Login

- ☐ How to self-quiz
- ☐ I know my targets
- ☐ Exam techniques
- ☐ Get your mind right
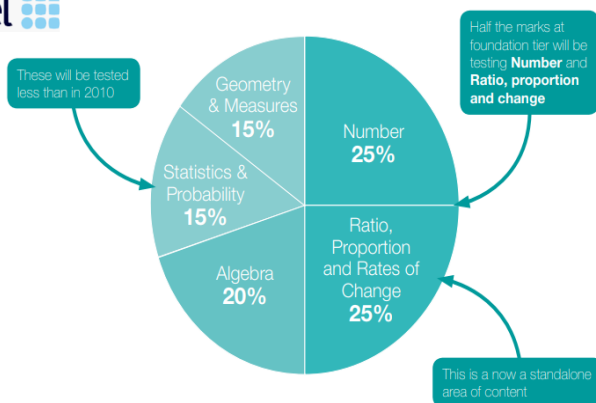- ☐ Know your calculator
- ☐ I know where to get help

Maths exam information

Exam dates: edexcel

Paper 1 (non-calculator) -
Thurs 14th May 2026 (AM)

Paper 2 (calculator) -
Weds 3rd June 2026 (AM)

Paper 3 (calculator) -
Weds 10th June 2026 (AM)

Foundation

These will be tested less than in 2010

Half the marks at foundation tier will be testing **Number** and **Ratio, proportion and change**

Geometry & Measures **15%**

Number **25%**

Statistics & Probability **15%**

Algebra **20%**

Ratio, Proportion and Rates of Change **25%**

This is a now a standalone area of content

Mock Exam dates:

Paper 1

Paper 2

Paper 3

Website	What's it useful for?	✔
www.montgomerymaths.co.uk	Revision resources, videos and links	
www.mathsgenie.co.uk/GCSE	Exam questions sorted by grade and topics with answers. Some video support	
www.corbettmaths.com	• 5 a day sheets —5 questions for every day of the year with answers. • Worksheets for every topic with video support and answers • Practice papers with answers	
www.onmaths.com	Find the online mini-mocks that mark them as you go. Find the "Demon questions" for more challenge.	
www.ssddproblems.com—excellent for method selection	Sets of 4 questions that look the same on the surface but require different approaches (answers included)	
www.mathsbot.com	Visit the GCSE resources to create revision grids and practice papers with answers.	

Sparx Maths

Number

Topic	Topic code	R	A	G
Fractions	U224, U538, U793			
Factors, multiples and primes	U739, U250			
Percentage change	U671, U332, U988			
Standard form	U330, U534, U264, U290			
Error intervals	U657			

Algebra

Topic	Topic code	R	A	G
Linear equations	U325, U870, U599			
Linear inequalities	U759, U738, U145, U337			
Index laws	U662			
Linear simultaneous equations	U760, U757, U836, U137			
Linear graphs and coordinates	U315, U669, U477, U848, U377			
Quadratic graphs and equations	U989, U667, U228, U601			

Ratio and proportion

Topic	Topic code	R	A	G
Ratio	U687, U753, U176, U577, U921, U865			
Speed	U151			
Density and pressure	U910, U527			
Proportion	U721, U357, U610			

Geometry

Topic	Topic code	R	A	G
Area	U226, U343, U950			
Volume	U786, U174, U915			
Angles	U655, U826, U329, U427			
Pythagoras' theorem	U385			
Trigonometry	U605, U283, U545			
Transformations	U196, U799, U696, U519, U766			

Probability

Topic	Topic code	R	A	G
Calculating probabilities	U408, U510, U683, U580			
Expected outcomes	U166			
Tree diagrams	U558, U729			
Set notation	U748, U296			

Statistics

Topic	Topic code	R	A	G
Averages	U717, U569			
Averages with grouped data	U877			
Sampling	U162			
Scatter graphs	U199, U277, U128			
Frequency polygons	U840			

Effort score tracker

Week Beginning	Effort score 1-5		SPARX tasks completed?	Practice exam done?	Independent practice?
	Class	Home			
12/1/2026					
19/1/2026					
26/1/2026					
2/2/2026					
9/2/2026					
HALF TERM 16/2/2026					
23/2/2026					
2/3/2026					
9/3/2026					
16/3/2026					
23/3/2026					
EASTER HOLIDAYS					
EASTER HOLIDAYS					
20/4/2026					
27/4/2026					
4/5/2026					
11/5/2026					
18/5/2026					
HALF TERM 25/5/2026					
1/6/2026					
8/6/2026					

Intervention so far:
- Exam analysis: students should have gone through the past exam, highlighting key mistakes.
- Complete end of term exam question-by-question analysis.
- Class teacher used this to inform planning and intervention sessions.
- Students should have filled in the RAG analysis for each exam.
- RAG has links to the SPARXs website so students can look up any Red or Amber topics.
- Set small manageable tasks in class
- Praise when something is achieved give out postcards .
- Extra work checks are used throughout lessons to check understanding
- Targeted questions throughout lessons to check understanding.

TARGETS:
- To push yourself in class to attempt the more difficult questions
- Show full working out for each stage in the question.
- Complete all learning task to a good standard
- Catch up on ALL SPARX homework
- Volunteer to answer questions in class discussions
- Use time at home to review red topics from end of term exam.

Foundation Tier Formulae Sheet

Perimeter, area and volume

Where a and b are the lengths of the parallel sides and h is their perpendicular separation:

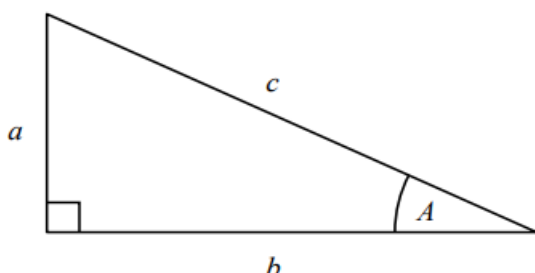$$\text{Area of a trapezium} = \frac{1}{2}(a+b)h$$

Volume of a prism = area of cross section × length

Where r is the radius and d is the diameter:

Circumference of a circle = $2\pi r = \pi d$

Area of a circle = πr^2

Pythagoras' Theorem and Trigonometry

In any right-angled triangle where a, b and c are the length of the sides and c is the hypotenuse:

$$a^2 + b^2 = c^2$$

In any right-angled triangle ABC where a, b and c are the length of the sides and c is the hypotenuse:

$$\sin A = \frac{a}{c} \quad \cos A = \frac{b}{c} \quad \tan A = \frac{a}{b}$$

Compound Interest

Where P is the principal amount, r is the interest rate over a given period and n is number of times that the interest is compounded:

$$\text{Total accrued} = P\left(1 + \frac{r}{100}\right)^n$$

Probability

Where P (A) is the probability of outcome A and P (B) is the probability of outcome B:

$$\text{P}(A \text{ or } B) = \text{P}(A) + \text{P}(B) - \text{P}(A \text{ and } B)$$

Revision Timetable

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	
Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	
Break – 1 hour	Break – 1 hour	Break – 1 hour	Break – 1 hour	Break – 1 hour	Break – 1 hour	
Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Day Off
Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	
Break – 1 hour	Break – 1 hour	Break – 1 hour	Break – 1 hour	Break – 1 hour	Break – 1 hour	
Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	Break – 5 mins	