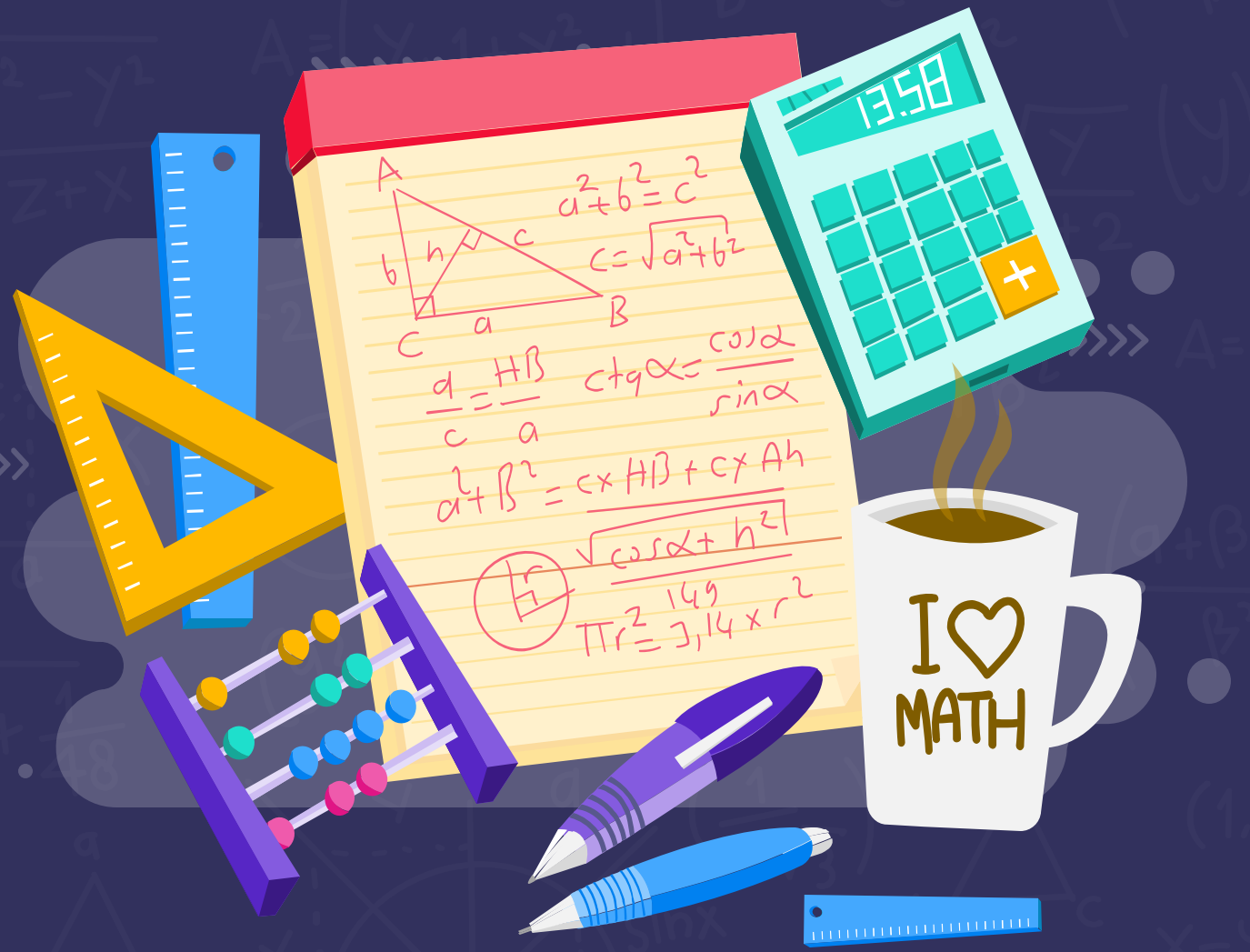


MATHS GCSE REVISION ADVICE

GCSE Overview

- Exam Board – Edexcel
- Tiers;
  - Foundation (Grades 1 - 5)
  - Higher (Grades 4–9)
- 3 x Papers;
  - Paper 1 (Non-calculator)
  - Paper 2 (Calculator)
  - Paper 3 (Calculator)

Each paper is worth 80 marks, a total of 240 marks.

Upcoming GCSE Exams

GCSE Paper 1: Friday 14th May 2027 (AM)

GCSE Paper 2: Thursday 27th May 2027 (AM)

GCSE Paper 3: Monday 14th June 2027 (AM)

Revise with your exam toolkit!





Black Pen



Pencil



Rubber



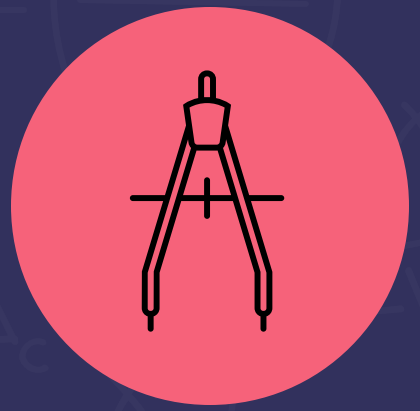
Scientific Calculator



Ruler



Protractor



Compass

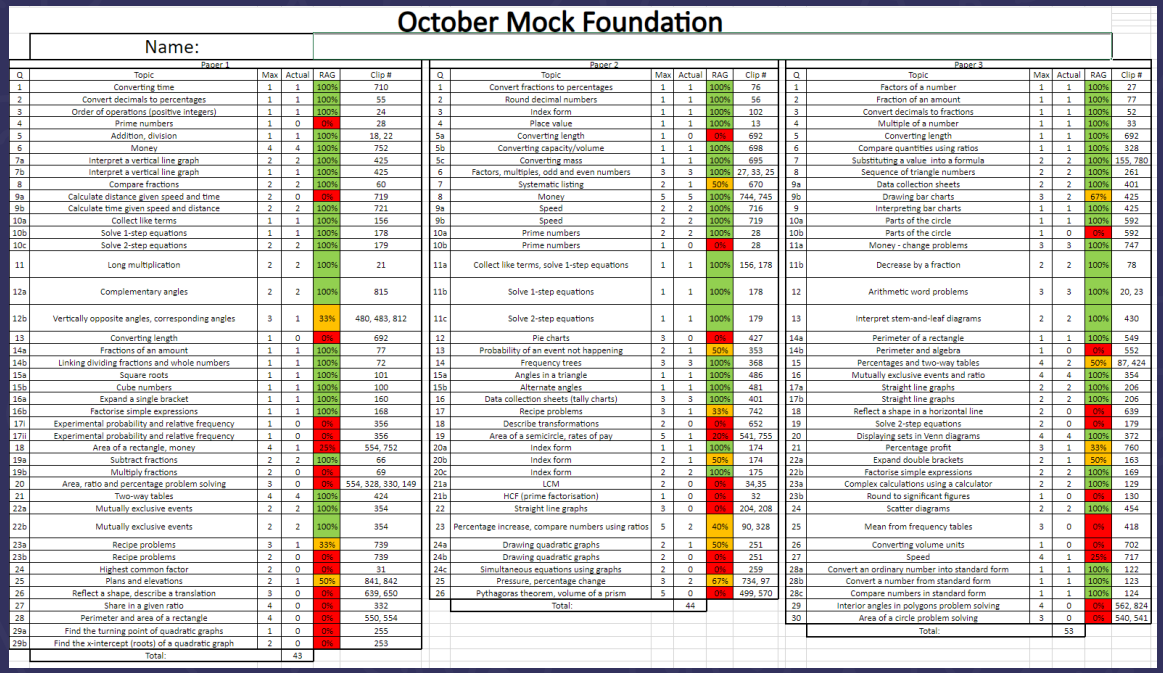


Pencil Sharpener

STRATEGIES MOVING FORWARD

What does the school support look like / what will we be providing?

- Regular homework
- Intervention sessions
- Specific & personal feedback from mocks (QLAs)
- Access to past papers.



October Mock Foundation

Name:

Paper 1

Q	Topic	Max	Actual	RAG	Clip #
1	Converting time	1	1	100%	710
2	Convert decimals to percentages	1	1	100%	55
3	Order of operations (positive integers)	1	1	100%	24
4	Prime numbers	1	0	0%	28
5	Addition, division	1	1	100%	18, 22
6	Money	4	4	100%	752
7a	Interpret a vertical line graph	2	2	100%	425
7b	Interpret a vertical line graph	1	1	100%	425
8	Compare fractions	2	2	100%	60
9a	Calculate distance given speed and time	2	0	0%	719
9b	Calculate time given speed and distance	2	2	100%	721
10a	Collect like terms	1	1	100%	156
10b	Solve 1-step equations	1	1	100%	178
10c	Solve 2-step equations	2	2	100%	179
11	Long multiplication	2	2	100%	21
12a	Complementary angles	2	2	100%	815
12b	Vertically opposite angles, corresponding angles	3	1	33%	480, 483, 812
13	Converting length	1	0	0%	692
14a	Fractions of an amount	1	1	100%	77
14b	Linking dividing fractions and whole numbers	1	1	100%	72
15a	Square roots	1	1	100%	101
15b	Cube numbers	1	1	100%	100
16a	Expand a single bracket	1	1	100%	160
16b	Factorise simple expressions	1	1	100%	168
17i	Experimental probability and relative frequency	1	0	0%	356
17ii	Experimental probability and relative frequency	1	0	0%	356
18	Area of a rectangle, money	4	1	25%	554, 752
19a	Subtract fractions	2	2	100%	66
19b	Multiply fractions	2	0	0%	69
20	Area, ratio and percentage problem solving	3	0	0%	554, 328, 330, 149
21	Two-way tables	4	4	100%	424
22a	Mutually exclusive events	2	2	100%	354
22b	Mutually exclusive events	2	2	100%	354
23a	Recipe problems	3	1	33%	739
23b	Recipe problems	2	0	0%	739
24	Highest common factor	2	0	0%	31
25	Plans and elevations	2	1	50%	841, 842
26	Reflect a shape, describe a translation	3	0	0%	639, 650
27	Share in a given ratio	4	0	0%	332
28	Perimeter and area of a rectangle	4	0	0%	550, 554
29a	Find the turning point of quadratic graphs	1	0	0%	255
29b	Find the x-intercept (roots) of a quadratic graph	2	0	0%	253
	Total:		43		

Paper 2

Q	Topic	Max	Actual	RAG	Clip #
1	Convert fractions to percentages	1	1	100%	76
2	Round decimal numbers	1	1	100%	56
3	Index form	1	1	100%	102
4	Place value	1	1	100%	13
5a	Converting length	1	0	0%	692
5b	Converting capacity/volume	1	1	100%	698
5c	Converting mass	1	1	100%	695
6	Factors, multiples, odd and even numbers	3	3	100%	27, 33, 25
7	Systematic listing	2	1	50%	670
8	Money	5	5	100%	744, 745
9a	Speed	2	2	100%	716
9b	Speed	2	2	100%	719
10a	Prime numbers	2	2	100%	28
10b	Prime numbers	1	0	0%	28
11a	Collect like terms, solve 1-step equations	1	1	100%	156, 178
11b	Solve 1-step equations	1	1	100%	178
11c	Solve 2-step equations	1	1	100%	179
12	Pie charts	3	0	0%	427
13	Probability of an event not happening	2	1	50%	353
14	Frequency trees	3	3	100%	368
15a	Angles in a triangle	1	1	100%	486
15b	Alternate angles	1	1	100%	481
16	Data collection sheets (tally charts)	3	3	100%	401
17	Recipe problems	3	1	33%	742
18	Describe transformations	2	0	0%	652
19	Area of a semicircle, rates of pay	5	1	20%	541, 755
20a	Index form	1	1	100%	174
20b	Index form	2	1	50%	174
20c	Index form	2	2	100%	175
21a	LCM	2	0	0%	34,35
21b	HCF (prime factorisation)	1	0	0%	32
22	Straight line graphs	3	0	0%	204, 208
23	Percentage increase, compare numbers using ratios	5	2	40%	90, 328
24a	Drawing quadratic graphs	2	1	50%	251
24b	Drawing quadratic graphs	2	0	0%	251
24c	Simultaneous equations using graphs	2	0	0%	259
25	Pressure, percentage change	3	2	67%	734, 97
26	Pythagoras theorem, volume of a prism	5	0	0%	499, 570
	Total:		44		

Paper 3

Q	Topic	Max	Actual	RAG	Clip #
1	Factors of a number	1	1	100%	27
2	Fraction of an amount	1	1	100%	77
3	Convert decimals to fractions	1	1	100%	52
4	Multiple of a number	1	1	100%	33
5	Converting length	1	1	100%	692
6	Compare quantities using ratios	1	1	100%	328
7	Substituting a value into a formula	2	2	100%	155, 780
8	Sequence of triangle numbers	2	2	100%	261
9a	Data collection sheets	2	2	100%	401
9b	Drawing bar charts	3	2	67%	425
9	Interpreting bar charts	1	1	100%	425
10a	Parts of the circle	1	1	100%	592
10b	Parts of the circle	1	0	0%	592
11a	Money - change problems	3	3	100%	747
11b	Decrease by a fraction	2	2	100%	78
12	Arithmetic word problems	3	3	100%	20, 23
13	Interpret stem-and-leaf diagrams	2	2	100%	430
14a	Perimeter of a rectangle	1	1	100%	549
14b	Perimeter and algebra	1	0	0%	552
15	Percentages and two-way tables	4	2	50%	87, 424
16	Mutually exclusive events and ratio	4	4	100%	354
17a	Straight line graphs	2	2	100%	206
17b	Straight line graphs	2	2	100%	206
18	Reflect a shape in a horizontal line	2	0	0%	639
19	Solve 2-step equations	2	0	0%	179
20	Displaying sets in Venn diagrams	4	4	100%	372
21	Percentage profit	3	1	33%	760
22a	Expand double brackets	2	1	50%	163
22b	Factorise simple expressions	2	2	100%	169
23a	Complex calculations using a calculator	2	2	100%	129
23b	Round to significant figures	1	0	0%	130
24	Scatter diagrams	2	2	100%	454
25	Mean from frequency tables	3	0	0%	418
26	Converting volume units	1	0	0%	702
27	Speed	4	1	25%	717
28a	Convert an ordinary number into standard form	1	1	100%	122
28b	Convert a number from standard form	1	1	100%	123
28c	Compare numbers in standard form	1	1	100%	124
29	Interior angles in polygons problem solving	4	0	0%	562, 824
30	Area of a circle problem solving	3	0	0%	540, 541
	Total:		53		

MATHS REVISION TIPS



Get organised

To be successful at revision it is important that you know what you need to do. Use your revision checklist/QLA to make a list of all the topics that you need to cover.

Make a plan

Plan exactly when you are going to revise and be strict with yourself. Break your revision sessions into manageable chunks and plan rest breaks in.

Do maths

Don't just read through the textbook!

The only way to revise maths is to do maths.

You will do much better spending 20 minutes doing maths questions than spending two hours just reading a textbook.

MATHS REVISION TIPS

Be strategic with revision topics

Don't just practice the topics you can do. Although it can be painful, work your way through the topics that you struggle with (use your QLA)

Ask for help!

Once you're in your exam, you're on your own. Use the time now to seek help on topics you are struggling with. This can be from your teacher, friends, someone at home or using videos from our recommended websites.

Practice exam conditions!

Once you have gained some confidence, work on questions, in silence, with no help, for a fixed amount of time.

STUDY RESOURCES

https://padlet.com/hannahhiggins8/maths-gcse-revsion-wmi6r04v18t0mzmb

MATHS REVISION EXAMPLE - AREA OF A CIRCLE



Do you have the knowledge?

Get input from your teacher or a video. For area of a circle, we need to know the formula, substitution, exact values, how to use our calculator and rounding. Making clear notes from guided examples is important before you start trying to tackle questions.

Practice

The only way to get confident is to find the area of lots of circles! Start with basic questions and build up to exam questions with problem solving.

Revisit with recall

Make sure you come back and try questions again regularly. If you are using Sparx Maths as a revision tool it has a great consolidation feature. Corbett 5 a day and regular exam practice are also good ways to mix up retention topics!

STRATEGIES MOVING FORWARD

What can parents do to support their children through their GCSEs?

- Give guidance for revision techniques.
- Help draw up a realistic revision timetable.
- Keep them motivated – ensure they have a positive working environment.
- Check in with them regularly – be supportive throughout the whole process, and make sure they are properly equipped for revision. This can include resources and equipment.
- Quiz them – Formulae, methods, topics etc.