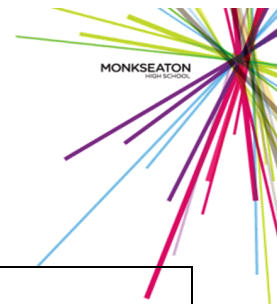


GCSE Maths

Key Information



Exam Board:	Pearson Edexcel
Specification:	GCSE 1MA1 (Foundation and Higher)
Exam Dates:	<p>Paper 1 (non-calculator) — Thu 24 May 2018</p> <p>Paper 2 (calculator) — Thu 7 June 2018</p> <p>Paper 3 (calculator) — Tue 12 June 2018</p> <p>Each exam lasts for 1 hour 30 minutes and they are evenly weighted</p>
Essential Maths Equipment:	<p>Pencil & pen</p> <p>Ruler, protractor and compass (available in a set for £1 in school)</p> <p>Calculator (available for £4 in school)</p>
Past Papers & solutions:	<p>www.mrbartonmaths.com/gcse</p> <p>www.bland.in</p> <p>Interactive papers have been sent electronically to students</p> <p>All students have a homework booklet containing problem solving questions and past papers (marked each week)</p>
Helpful Revision Websites:	<p>www.mymaths.co.uk</p> <p>Login: monkseaton</p> <p>Password: revision</p> <p>Students should focus in particular on the relevant Booster Pack</p>
Teacher Details:	<p>Mr Thompson: paul.thompson@monkseaton.org.uk</p> <p>Mr Egner: colin.egner@monkseaton.org.uk</p> <p>Mr Ewart: alan.ewart@monkseaton.org.uk</p> <p>Mrs Thornborrow: katherine.thornborrow@monkseaton.org.uk</p>

GCSE Maths

Below is a list of key facts you'll need for the GCSE exam.

This list is by no means exhaustive (Higher Tier students will need to memorise other formula from key topics)

Don't forget about the formula sheet given to you on page 1 of each exam - have a look at the past paper materials to see what is included.



Top 20 to learn GCSE facts 1	
1. Area of circle $A = \pi r^2$	10. Speed = $\frac{\text{distance}}{\text{time}}$
2. Circumference circle $C = \pi \times D$	11. Mean = $\frac{\text{sum values}}{\text{number values}}$
3. Area of triangle $A = \frac{B \times H}{2}$	12. Median = Middle value when data put in order
4. Area Trapezium $A = \frac{(a + b) \times h}{2}$	13. Mode = number that occurs the most
5. Area parallelogram $A = B \times H$	14. Range Range = Max - min
6. Volume cuboid $V = L \times W \times H$	15. Square numbers 1,4,9,16,25,36,49,64,81,100,121,144
7. Volume prism $V = \text{area end} \times \text{length}$	16. Prime numbers 2,3,5,7,11,13,17,19,23,29 Note: 1 is not a prime number
8. Exterior angle polygon $\text{Ext} = \frac{360^\circ}{n}$	17. Metric lengths 1cm = 10mm, 1m = 100cm, 1m = 1000mm, 1km = 1000m
9. Pythagoras theorem <ul style="list-style-type: none">• sq, sq• add/subtract• square root	18. Metric weights 1kg = 1000g, 1 tonne = 1000kg
	19. Metric capacity 1litre = 1000ml, 1 litre = 100cl, 1cl = 10ml
	20. Metric Imperial conversions 8km = 5miles, 30cm = 1 foot, 2.5cm = 1 inch 1kg = 2.2 lbs 25g = 1 ounce 4.5litres = 1 gallon 1 litre = 1.75 pints

In the run up to the exam period, an excellent [daily revision task](#) would be to read, cover and write out the above list.

Otherwise, "the only way to *learn* mathematics is to *do* mathematics"