

Year 8 Mathematics Revision list

Topics		Can Do
Negative numbers	Temperature scale	
	Order negatives	
	Add and Subtract negatives	
	Multiply and divide negatives.	
	Substitute negatives numbers into formulae.	
Decimals	Order decimals	
	Add and subtract decimals	
	Multiply decimal by 10, 20, 400 etc	
	Divide decimal by 10, 20, 400 etc	
	Multiply by a decimal	
	<i>Divide by a decimal</i>	
Formulae and expressions	Making up formulae from words	
	Simplifying expressions	
	Using brackets	
	Factorising	
Sequences	What number next?	
	Finding linear rules. eg $3n+2$	
	Finding rules from matchstick pictures	
Equations	Reading equations	
	Solving equations (caterpillars)	
	<i>Trial and improvement</i>	
Multiples and factors	Multiples and LCM	
	Factors and HCF	
	Product of primes	
Fractions/Dec/%	Equivalent fractions	
	Change between fractions and decimals	
	Top heavy fractions	
	Add and subtract fractions	
	Multiply fractions	
	Find a fraction of an amount	
	Find a percentage of an amount	
	Increase/decrease by an amount by a given percentage	
	<i>Reverse percentage</i>	
Averages	Mode	
	Median	
	Mean	
	Range	
	<i>Find mean from a table of results.</i>	

Angles and polygons	Measure angles	
	Draw angles	
	Straight line angles	
	Angles about a point	
	Opposite angles	
	Alternate angles	
	Angles triangles	
	Angles in quadrilaterals	
	<i>Interior angles</i>	
	<i>Exterior angles</i>	
Computation	Squaring	
	Square roots	
	<i>Cubing</i>	
Time	Adding and subtraction times	
	Timetables	
Co-ordinates, graphs and charts	Plot co-ordinates	
	Horizontal line eg $y = 2$	
	Vertical line eg $x = 5$	
	Drawing line graphs eg $y = 2x + 1$	
Solids	Conversions graphs	
	Drawing solids	
	Nets	
Perimeter, area and volume.	Plans	
	Area of square, rectangle, parallelogram, rhombus	
	Area of triangle and kite	
Circles	Volume of cuboids	
	Circumference of a circle	
Chance	Area of a circle	
	Probability scale	
	Probability of events happening	
	Possibility space diagrams	
	Relative frequency	