

<u>Dividing fractions</u> Keep, flip, change	<u>Area of a Triangle</u> $\frac{\text{base} \times \text{height}}{2}$	<u>Volume of a Prism</u> <i>Area of cross section \times length</i>	$\sin x = \frac{\text{opp}}{\text{hyp}}$	<u>Geometric Sequence</u> Term to term rule is multiplying or dividing by the same number
<u>What is a multiple?</u> <u>In the times table of a number</u>	<u>Area of a Circle</u> πr^2	<u>Pressure, force, area</u> $\text{pressure} = \frac{\text{force}}{\text{area}}$	$\cos x = \frac{\text{adj}}{\text{hyp}}$	<u>Arithmetic Sequence</u> Term to term rule is adding or subtracting the same number
<u>What is a factor?</u> Divides exactly into a number	<u>Circumference of a Circle</u> πd or $2\pi r$	<u>Percentage Change</u> $\frac{\text{difference}}{\text{original}} \times 100$	$\tan x = \frac{\text{opp}}{\text{adj}}$	<u>Adding and Subtracting fractions</u> Find a common denominator
<u>Product means</u> Multiplying numbers	<u>Area of a Trapezium</u> $\frac{(a + b)}{2} \times h$	<u>How many ml in a litre?</u> 1000	<u>Speed, distance, time</u> $\text{speed} = \frac{\text{distance}}{\text{time}}$	<u>3 Rules of Bearings</u> <ul style="list-style-type: none"> • 3 digits • Clockwise direction • North line
<u>Sum means</u> Adding numbers	<u>Prime Number</u> A number which has exactly 2 factors, 1 and itself.	<u>Area of a Parallelogram</u> base \times height	<u>Density, mass, volume</u> $\text{density} = \frac{\text{mass}}{\text{volume}}$	<u>Index Law</u> $y^0 = 1$ Anything to the power of 0 is 1
<u>Finding the Mode</u> Most common number/s	$\tan 60 = \frac{\sqrt{3}}{\sqrt{1}} = \sqrt{3}$	<u>Fibonacci Sequence</u> The next number is found by adding up the two numbers before it.	<u>First 5 square numbers</u> 1, 4, 9, 16, 25	<u>How many cm in a m?</u> 100
<u>First 5 prime numbers</u> 2, 3, 5, 7, 11	<u>First 5 cube numbers</u> 1, 8, 27, 64, 125	<u>First 5 triangle numbers</u> 1, 3, 6, 10, 15	$\cos 30 = \frac{\sqrt{3}}{2}$	$\sin 45 = \frac{\sqrt{2}}{2}$
<u>How to find the Median</u> Order them and find the middle number	<u>How to find the Range</u> Biggest - smallest	<u>How to find the Mean</u> Add them and divide by how many numbers there are	<u>What do we know if 2 lines are parallel?</u> Same gradient	<u>What do we know if 2 lines are perpendicular?</u> Gradient is the negative reciprocal
<u>A scatter graph has...</u> A line of best fit	<u>Angles around a point</u> 360°	<u>Angles on a straight line</u> 180°	<u>Equation of a straight line</u> $y = mx + c$	<u>How many g in a kg?</u> 1000
<u>BIDMAS stands for...</u> Brackets, indices, division, multiplication, addition and subtraction	<u>Area of a rectangle</u> base \times height	<u>All exterior angles on a polygon sum to...</u> 360°	<u>Sum of interior angles of a polygon</u> $(n - 2) \times 180$ Where n is the number of sides	<u>What are the properties of a isosceles triangle?</u> 2 equal sides and angles