

Maths facts from Year 6



Learning these Maths facts from Year 6 will really help you in Year 7.

1	A common multiple is a multiple of two or more given numbers e.g. 24 is a multiple of 6 and a multiple of 8, so it is a 'common multiple' of 6 and 8
2	A common factor is a factor of two or more given numbers e.g. 6 is a factor of 24 and a factor of 60, so it is a 'common factor' of 24 and 60
3	To simplify a fraction, divide the numerator and denominator by the same number (it will be a common factor)
4	To multiply two proper fractions, multiply the numerators and do the same with the denominators e.g. $\frac{2}{5} \times \frac{2}{3} = \frac{4}{15}$
5	To divide a fraction by a whole number, divide the numerator only (you may need to find an equivalent fraction first)
6	To find the area of a triangle, multiply the width of its base by its vertical height, then divide by 2 (in shorter form: ' $\frac{1}{2} \times \text{base} \times \text{height}$ ')
7	To find the area of a parallelogram, multiply the width of its base by its vertical height
8	BODMAS reminds you the order to carry out calculations. B=brackets, O=orders (mostly square numbers; not used very often in Primary School), D=division, M=multiplication, A=addition, S=subtraction
9	In algebra, $3k$ means 3 multiplied by k (any letter could be used instead of k)
10	To find 10% of a number, divide by 10 (since $10\% = \frac{1}{10}$, not because you divide by the percentage – you don't, this one is a coincidence)
11	To find 20%, find 10% and double it, or divide by 100 then $\times 20$ or divide by 5, whichever is easiest
12	If something is in a ratio of (for example) 3:4 ('three to four'), this means that for every 3 of the first thing you have, you have 4 of the second
13	The net of a 3D shape is a 2D shape that will fold up to construct the 3D one (it will be made up of the faces of the 3D shape)
14	The circumference of a circle is its perimeter (the word is used for circles only)
15	The radius of a circle is the distance from the middle to the edge
16	The diameter of a circle is the distance across the circle, passing through the middle – it will be double the radius
17	The mean of a set of numbers is found by adding up all the numbers and dividing by how many there are (not how many different numbers there are)

Maths facts sheets for Years 1-6 are available on the school website