

Year 5 & 6 - Key Maths Facts

<u>Time</u>	<u>Fractions, Decimals, Percentages</u>		<u>Measure</u>	
<p>60 seconds = 1 minute 60 minutes = 1 hour 24 hours = 1 day 7 days = 1 week 52 weeks = 1 year 365 days = 1 year 12 months = 1 year</p> <p>10 years = 1 decade 100 years = 1 century 1000 years = 1 millennium</p> <p><i>30 days has September, April, June and November, All the rest have 31, Except February alone, It has 28 days clear, And 29 each leap year.</i></p>	<p>1 whole = 1 = 100%</p> <p>$\frac{3}{4} = 0.75 = 75\%$</p> <p>$\frac{1}{2} = 0.5 = 50\%$</p> <p>$\frac{1}{4} = 0.25 = 25\%$</p> <p>$\frac{1}{3} = 0.33 = 33.333\%$</p> <p>$\frac{2}{3} = 0.66 = 66.666\%$</p> <p>$\frac{1}{100} = 0.01 = 1\%$</p> <p>$\frac{5}{100} = 0.05 = 5\%$</p>	<p>$\frac{1}{5} = 0.2 = 20\%$</p> <p>$\frac{2}{5} = 0.4 = 40\%$</p> <p>$\frac{3}{5} = 0.6 = 60\%$</p> <p>$\frac{4}{5} = 0.8 = 80\%$</p> <p>$\frac{1}{10} = 0.1 = 10\%$</p> <p>$\frac{3}{10} = 0.3 = 30\%$</p> <p>$\frac{7}{10} = 0.7 = 70\%$</p> <p>$\frac{9}{10} = 0.9 = 90\%$</p>	<p style="text-align: center;"><u>Length</u></p> <p>10 millimetres = 1 centimetre 1000 millimetres = 1 metre</p> <p>100 centimetres = 1 metre 75cm = 0.75m = $\frac{3}{4}$ of a metre 50cm = 0.5m = $\frac{1}{2}$ of a metre 25cm = 0.25m = $\frac{1}{4}$ of a metre</p> <p>1000 metres = 1 kilometres 750m = 0.75km = $\frac{3}{4}$ of a kilometre 500m = 0.5km = $\frac{1}{2}$ of a kilometre 250m = 0.25km = $\frac{1}{4}$ of a kilometre</p> <p>5 miles = 8 kilometres 2.5 centimetres = 1 inch</p> <p>cent = 100 kilo = 1000 milli = 1000</p>	
<u>Prime Numbers (to 50)</u>	<u>Geometry</u>		<u>Square Numbers</u>	
<p>2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47</p> <p>(Prime Numbers can only be divided by themselves and 1. They have no other factors. Remember 1 is not a prime number because it does NOT have two factors)</p>	<p>The angles in a triangle add-up to 180° The angles on a straight line add-up to 180° The angles round a point add-up to 360° The angles in a quadrilateral add-up to 360°</p> <p style="padding-left: 40px;">Acute angle = 1 - 89° Right angle = 90° Obtuse angle = 91 - 179° Straight line = 180° Reflex angle = 181 - 360°</p>		<p>$1^2 = 1 \times 1 = 1$ $2^2 = 2 \times 2 = 4$ $3^2 = 3 \times 3 = 9$ $4^2 = 4 \times 4 = 16$ $5^2 = 5 \times 5 = 25$ $6^2 = 6 \times 6 = 36$</p>	<p>$7^2 = 7 \times 7 = 49$ $8^2 = 8 \times 8 = 64$ $9^2 = 9 \times 9 = 81$ $10^2 = 10 \times 10 = 100$ $11^2 = 11 \times 11 = 121$ $12^2 = 12 \times 12 = 144$</p>

Year 5 & 6 - Key Maths Facts

<u>Time: 12/24 Hour Clock</u>	<u>Geometry: 2D Shapes</u>	<u>Roman Numerals</u>	<u>Measure</u>
12am midnight = 00:00 1am = 01:00 2am = 02:00 3am = 03:00 4am = 04:00 5am = 05:00 6am = 06:00 7am = 07:00 8am = 08:00 9am = 09:00 10am = 10:00 11am = 11:00 12pm noon/midday = 12:00 1pm = 13:00 2pm = 14:00 3pm = 15:00 4pm = 16:00 5pm = 17:00 6pm = 18:00 7pm = 19:00 8pm = 20:00 9pm = 21:00 10pm = 22:00 11pm = 23:00	1 side - circles 2 sides - semi-circle 3 sides - triangle <u>Polygons</u> 4 sides - quadrilateral 5 sides - pentagon 6 sides - hexagon 7 sides - heptagon 8 sides - octagon 9 sides - nonagon 10 sides - decagon 11 sides - hendecagon 12 sides - dodecagon	I = 1 II = 2 III = 3 IV = 4 V = 5 VI = 6 VII = 7 VIII = 8 IX = 9 X = 10 L = 50 C = 100 D = 500 M = 1000	<u>Volume</u> 1000 millilitres = 1 litre 750ml = 0.75l = $\frac{3}{4}$ litre 500ml = 0.5l = $\frac{1}{2}$ litre 250ml = 0.25l = $\frac{1}{4}$ litre <u>Mass</u> 1000 grams = 1 kilogram 750g = 0.75kg = $\frac{3}{4}$ kilogram 500g = 0.5kg = $\frac{1}{2}$ kilogram 250g = 0.25kg = $\frac{1}{4}$ kilogram 1000 kilograms = 1 tonne cent = 100 kilo = 1000 milli = 1000
<u>Geometry: Circles</u> Circumference: The edge of the circle Diameter: straight line going through the middle Radius: Line from centre to edge	<u>Geometry: Triangles</u> The angles in a triangle add-up to 180° Equilateral: 3 sides of equal length. Equal angle (60%) Isosceles: 2 sides of equal length. 2 angles of equal size. Scalene: 3 different lengths of side. 3 different angles.		<u>Cubed Numbers</u> $1^3 = 1 \times 1 \times 1 = 1$ $2^3 = 2 \times 2 \times 2 = 8$ $3^3 = 3 \times 3 \times 3 = 27$ $4^3 = 4 \times 4 \times 4 = 64$ $5^3 = 5 \times 5 \times 5 = 125$ $6^3 = 6 \times 6 \times 6 = 216$ $7^3 = 7 \times 7 \times 7 = 343$ $8^3 = 8 \times 8 \times 8 = 512$ $9^3 = 9 \times 9 \times 9 = 729$ $10^3 = 10 \times 10 \times 10 = 1000$

