



Year 6 Spring 2 KIRFS

Key Instant Recall Facts (KIRFs) are designed to support the development of the arithmetic skills that underpin all maths learning in school. KIRFs help reduce the cognitive load when learning maths and greatly support the development of mental maths agility.

Recall percentage and decimal equivalents of unit and non-unit common fractions. For example:

$$\frac{2}{3} = 0.66 = 66\% \quad \frac{3}{4} = 0.75 = 75\% \quad \frac{2}{5} = 0.4 = 40\% \quad \frac{1}{6} = 0.17 = 17\%$$

$$\frac{1}{7} = 0.14 = 14\% \quad \frac{1}{8} = 0.125 = 12.5\% \quad \frac{3}{8} = 0.375 = 37.5\%$$

In addition you can help by practising the following:

Metric measure conversions	<p>1cm = 10mm 1m = 100 cm = 1000mm 1km = 1000m = 100,000cm</p>	
Angle facts	<p>Angles on a straight line = 180°</p> <p>Example: 30° + 150° = 180°</p> <p>Angles in a triangle = 180°</p>	<p>Angles at a point = 360°</p> <p>a + b + c + d = 360°</p> <p>Angles in a quadrilateral shapes = 360°</p>
Converting miles to kilometres	<div style="border: 1px solid blue; border-radius: 10px; padding: 5px; display: inline-block;">5 miles ≈ 8 kilometres</div>	
Area formulae	<p>Area of a square or rectangle = length x width</p> <p>Area of a triangle = $\frac{1}{2}$ base x height</p>	