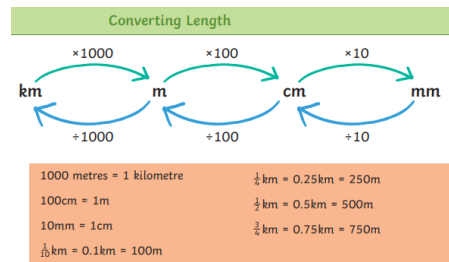
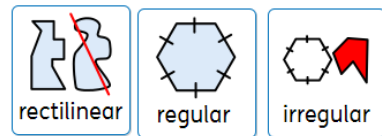
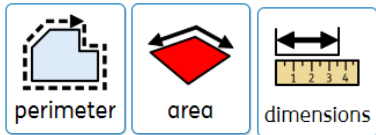
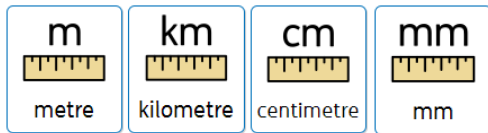


Year 5 Area Knowledge



Measure Perimeter	Calculate Perimeter
<p>Measure the perimeter of a rectangle:</p> <p>Measure the length (l) and width (w). Perimeter = $l + w + l + w$ or $(l + w) \times 2$</p> <p>Measure the perimeter of regular shapes:</p> <p>Measure the length (l) and count the number of sides (s) on the shape. Perimeter = $l \times s$</p> <p>Measure the perimeter of irregular shapes:</p> <p>Measure the length of each side and add them together.</p>	<p>Calculate the missing sides of this rectilinear shape to find the perimeter:</p> <p>* This shape is not drawn to the dimensions specified.</p> <p>Missing side 1 + 4cm = 8cm, so missing side 1 = 4cm.</p> <p>Missing side 2 = 2cm + 7cm = 9cm</p> <p>Perimeter = sum of all sides = 2cm + 4cm + 7cm + 4cm + 9cm + 8cm = 34cm</p>

Area of Rectangles	Area of Compound Shapes	Area of Irregular Shapes
<p>The area of a rectangle on a grid:</p> <p>Multiply the length \times width = $6 \times 3 = 18$ squares.</p> <p>The area of a rectangle = length (l) \times width (w).</p>	<p>To find the area of a compound shape, divide the shape into rectangles with known dimensions:</p> <p>Area = $7\text{cm} \times 4\text{cm} + 5\text{cm} \times 5\text{cm}$ = $28\text{cm}^2 + 25\text{cm}^2$ = 53cm^2</p>	<p>To find the area of an irregular shape, find the number of whole squares and part squares.</p> <p>Whole squares = 10 Part squares = 22</p> <p>Estimate of area = whole squares + half part squares = $10\text{cm}^2 + 11\text{cm}^2 = 21\text{cm}^2$</p> <p>*There are other ways to estimate the area of irregular shapes.</p>