



Position and direction knowledge and skills progression

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Vocabulary</p> <p>Position and Direction</p> <p>note vocabulary is progressive - years should be using prior years' mathematical terms and vocabulary as well as the vocabulary shown in the current year group</p>	<p>Position</p> <p>Over, under, underneath, above, below, top, bottom, side on, in, outside, inside around, in front, behind</p> <p>Front, back</p> <p>Before, after</p> <p>Beside, next to, Opposite</p> <p>Apart</p> <p>Between, middle, edge, centre</p> <p>Corner</p> <p>Direction</p>	<p>Rotation</p> <p>Clockwise, anticlockwise</p> <p>Straight line</p> <p>Ninety degree turn, right angle</p>	<p>Greater/less than ninety degrees</p> <p>Orientation (same orientation, different orientation)</p>	<p>Coordinates</p> <p>Translation</p> <p>Quadrant</p> <p>X-axis</p> <p>Y-axis</p> <p>Perimeter and area</p>	<p>Reflex angle</p> <p>Dimensions</p>	<p>Four quadrants (for coordinates)</p>
<p>Position and Direction</p>	<p>describe position, direction and movement, including whole, half, quarter and three- quarter turns</p>	<p>order and arrange combinations of mathematical objects in patterns and sequences</p> <p>use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)</p>	<p>interpret and present data using bar charts, pictograms and tables</p> <p>solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables</p>	<p>describe positions on a 2-D grid as coordinates in the first quadrant</p> <p>describe movements between positions as translations of a given unit to the left/right and up/down</p> <p>plot specified points and draw sides to complete a given polygon</p>	<p>identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed</p>	<p>describe positions on the full coordinate grid (all four quadrants)</p> <p>draw and translate simple shapes on the coordinate plane, and reflect them in the axes</p>