

Progression in Geometry - Position, Direction, Motion - 2014 National Curriculum

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
order and arrange combinations of objects and shapes in patterns.	order and arrange combinations of mathematical objects in patterns.	start to recognise patterns and systems to predict other combinations of mathematical objects.	recognise patterns and systems to predict other combinations of mathematical objects.		
describe position, directions and movements, including half-quarter and three-quarter turns.	use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise), and movement in a straight line.	describe movements between positions as quarter, half and three-quarter turns including clockwise and anti-clockwise. begin to describe movements between positions as translations of a given unit to the left/right and up/down.	describe movements between positions as translations of a given unit to the left/right and up/down.	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.	identify, describe and represent the position of a shape following a reflection or translation on the full coordinate grid (all four quadrants).
		begin to describe positions on a 2-D grid as coordinates in the first quadrant.	describe positions on a 2-D grid as coordinates in the first quadrant.		describe positions on the full coordinate grid (all four quadrants)
			plot specified points and draw sides to complete a given polygon.	begin to draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	draw and translate simple shapes on the coordinate plane, and reflect them in the axes.