

GEOMETRY – Position and direction

Pupils should be taught to:

Year 1 programme of study:

describe position, directions and movements, including half, quarter and three-quarter turns.

Year 2 programme of study:

order and arrange combinations of mathematical objects in patterns
use mathematical vocabulary to describe position, direction and movement including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns (clockwise and anti-clockwise), and movement in a straight line.

Year 3 programme of study:

Year 4 programme of study:

describe positions on a 2-D grid as coordinates in the first quadrant
describe movements between positions as translations of a given unit to the left/right and up/down
plot specified points and draw sides to complete a given polygon.

Year 5 programme of study:

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.

Year 6 programme of study:

describe positions on the full coordinate grid (all four quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes.