Maths Assessment Year 2: Geometry – Position and Direction

1. Order and arrange combinations of mathematical objects in patterns and sequences.

2. 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 anticlockwise).
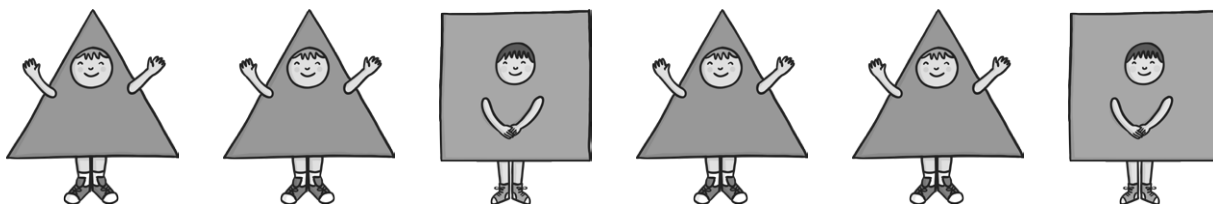
Maths Assessment Year 2: Geometry – Position and Direction

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2. Use mathematical vocabulary to describe position, direction and movement, including movement in a
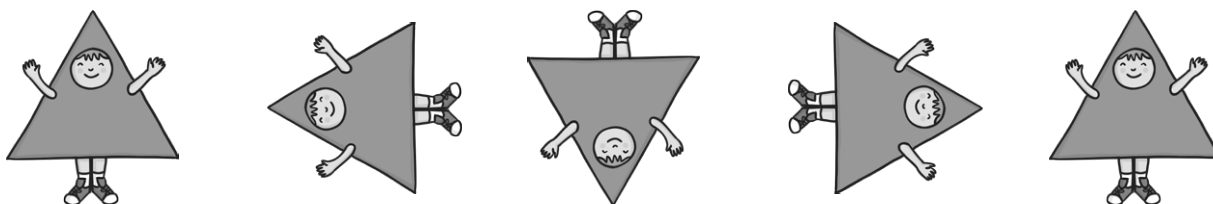
a) What will the next shape in the pattern be?

b) What will the 12th shape be?

c) How do you know?

d) Circle the shape that goes next in the pattern.

e) Can you describe what is happening in this pattern? You might use words like: clockwise, anticlockwise, half , quarter or three quarter turn.
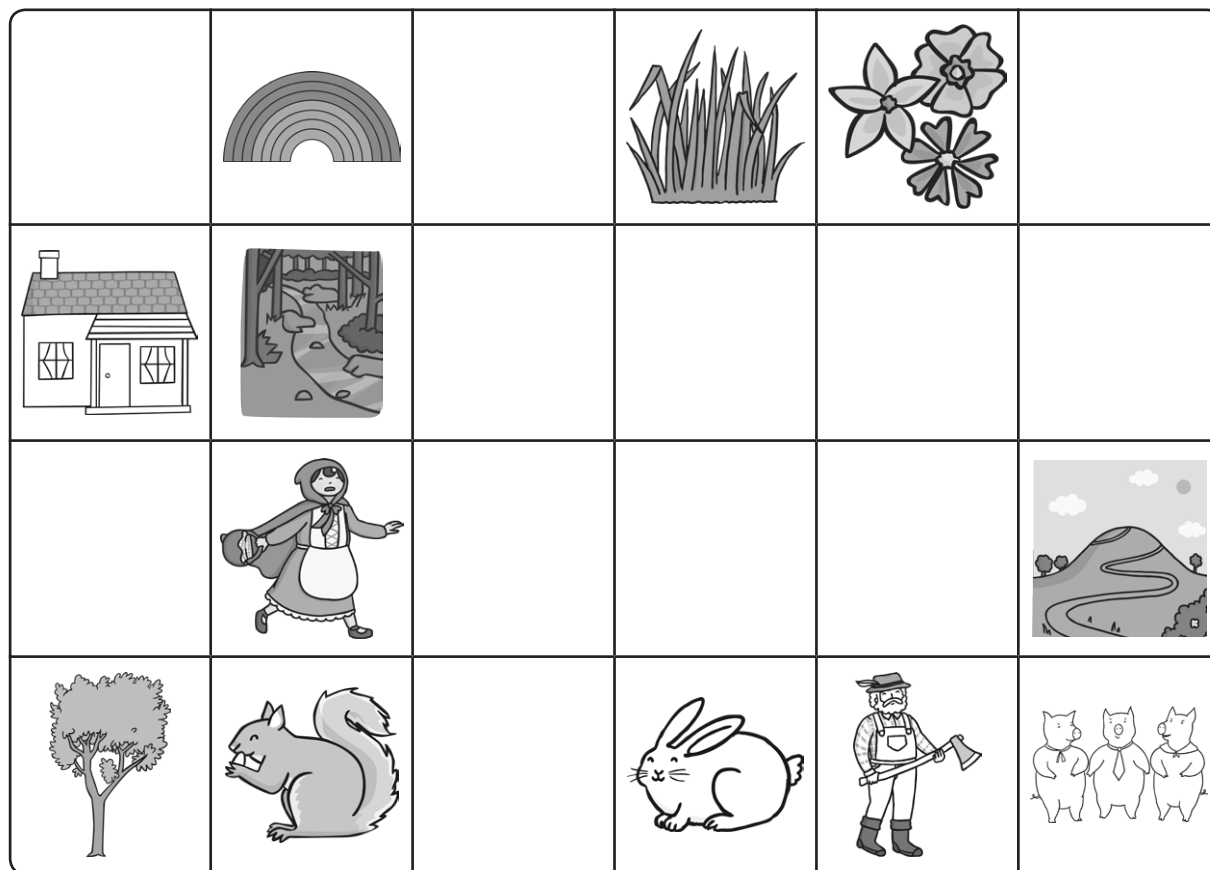
total

3 marks

1 mark

1 mark

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straight line and distinguishing between rotation as a turn and in terms of right angles for quarter half and three quarter turns (clockwise and anticlockwise).

a) Little Red Riding Hood is facing the hill. She does a quarter turn anticlockwise. What is she facing now? Tick one.

squirrel ☐   stream ☐

b) You are standing on the flowers facing towards the grass and rainbow. If you do a three quarter turn clockwise, what are you facing now?
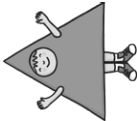
c) The bunny does a quarter turn clockwise and hops forwards 3 squares. Where is he now?

d) The woodcutter is facing the 3 little pigs. Tell him how to turn and walk to the tree. Use words like: **clockwise, anticlockwise, half , quarter or three quarter turn. Walk forwards _____ squares.**

question	answer	marks	notes
1. Order and arrange combinations of mathematical objects in patterns and sequences.			
a	triangle	1	
b	square	1	
c	There are 3 shapes in each pattern and I say 12 when I am counting in 3s. I counted up triangle, triangle, square until I got to 12.	1	Accept any reasonable explanation for a correct prediction in the previous question
d		1	
e	Each shape is turning a quarter turn clockwise. Or ¾ turn anticlockwise.	1	
2. 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 anticlockwise).			
a	stream	1	
b	woodcutter	1	
c	grass	1	
d	He needs to do a half turn then walk 4 squares forwards	2	1 mark for a correct turn and 1 for walking the correct number of squares
		Total 10	