

Maths Assessment Year 3: Geometry - Properties of Shapes

- 1. Draw 2-D shapes; recognise 3-D shapes in different orientations and describe them.
- 2. Recognise angles as a property of shape or a description of a turn.
- 3. Identify right angles; identify whether angles are greater than or less than a right angle.
- 4. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.



20 total marks

twinkl

Maths Assessment Year 3: Geometry – Properties of Shapes

1. Draw 2-D shapes; recognise 3-D shapes in different orientations and describe them.

a) Draw a pentagon (use a ruler): **b)** Draw a triangle (use a ruler): 2 marks c) Name these shapes and tick the properties that are true: Properties Has one curved surface Has three edges Has two vertices All edges are the same length Name of shape Properties Has four faces Has twelve edges Has nine vertices All edges are the same length Name of shape 2 marks

d) Tick the shapes that have two lines of symmetry:





b) Sidra is facing the house. How many right angles would she need to turn in order to be facing the tree?



c) The turtle is facing North. After three right angle turns clockwise, where will he be facing?



Answer Sheet: Maths Assessment Year 3: Geometry - Properties



of Shapes

question	answer	marks	notes	
1. Draw 2-D shapes; recognise 3-D shapes in different orientations and describe them.				
а	Any 5 sided shape with straight sides.	1	Do not award marks if the child has not used a ruler.	
b	Any 3 sided shape with straight sides.	1	Do not award marks if the child has not used a ruler.	
с	Name of shape: cylinder Has one curved surface All edges are the same length	1	Award one mark for correct name of shape and both properties ticked correctly. Do not award a mark if only one property has been correctly ticked.	
	Name of shape: cube Has twelve edges All edges are the same length	1	Award one mark for correct name of shape and both properties ticked correctly. Do not award a mark if only one property has been correctly ticked.	
d		1	Award one mark for both shapes ticked correctly. Do not award a mark if only one shape has been correctly ticked.	
e	no lines of symmetry at least one line of symmetry at least	2	Award one mark for each shape correctly ticked.	
2. Recognise angles as a property of shape or a description of a turn.				
a	لک (1		
b		1		
3. Identify right angles; identify whether angles are greater than or less than a right angle.				
a			Award one mark for each shape correctly ticked.	
		3	If there are more incorrect than correct answers, award 0 marks.	
b	2 right angles	1		
с	West	1		
d	\searrow	1		





question	answer	marks	notes		
4. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.					
	А, С, Е	5	Award one mark for all three lines identified correctly and no incorrect lines.		
	F, B, D		Award one mark for all three lines identified correctly and no incorrect lines.		
	A&B or B&C or C&D or D&E or E&F or F&A		Award one mark for a correct pair.		
	A&E or A&C or B&F or B&D or D&F or C&E		Award one mark for a correct pair. Accept A, C & E or B, D & F		
	E				
		Total 20			

