



Geometry



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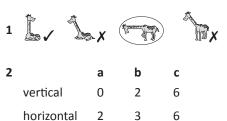
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2

0

diagonal 8

3a–c Teacher check.

4a Observe student.

b B G J Q R

These letters are made up of curves and straight lines.

- c Sample answer:
 - E, F, H, I, K, L, M, N, V, W, Z

These letters are made up of only straight lines.

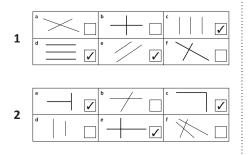
d They all have diagonal lines.

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- **2**a 2
- **b** 0
- **c** 2
- **d** 3

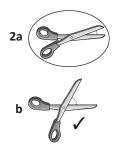
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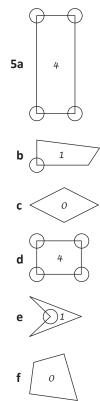
3 Answers will vary.

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1 4; 1; 3; 2



- c Answers will vary.
- **3** 1; acute;
 - 4; obtuse;
 - 2; acute
 - 3; right
- 4 Answers will vary.

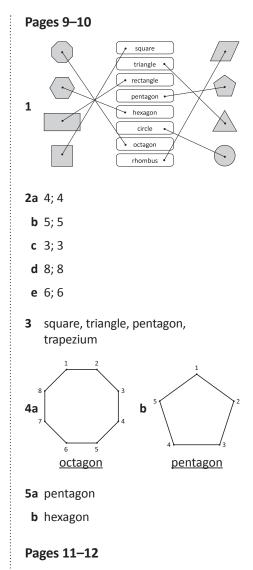




6 Answers will vary.

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- 1a 2; half
- **b** 1; quarter
- c 4; whole
- d 3; three-quarter



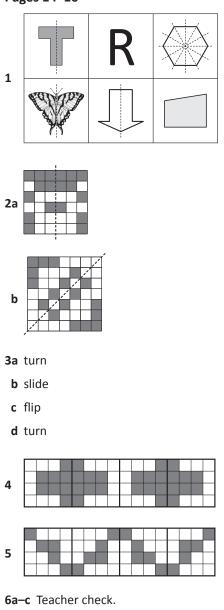
- 1a 2; Yes; No; Answers will vary.
- **b** 2; No; No; Answers will vary.
- c 1; No; No; Answers will vary.
- 2 Teacher check.
- 3 Teacher check.

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- 1a square or rectangle
- **b** rhombus
- c trapezium
- d parallelogram



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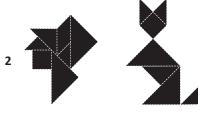


7 Teacher check.

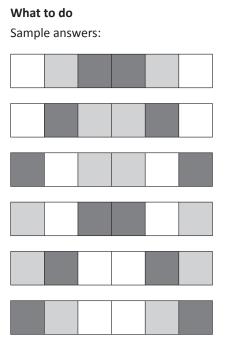
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What to do

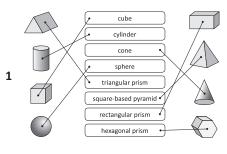
1 Teacher check.







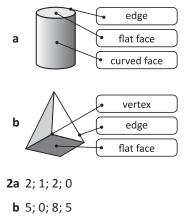
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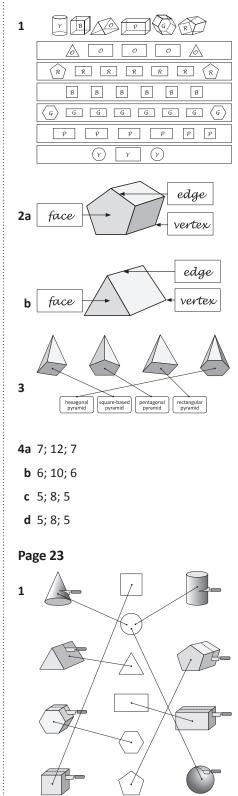
1 Answers will vary. Sample answers:



c 0; 1; 0; 0

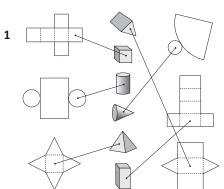
- 3a sphere
- **b** square-based pyramid
- c cylinder
- **4** 5; 1; 1

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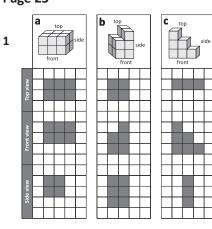




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Page 26 What to do

Puzzle 1



Puzzle 2

6; 4; 5

Puzzle 3



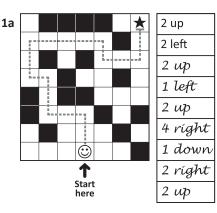
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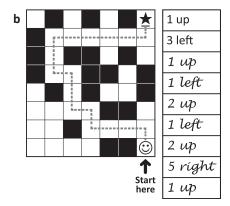


2	6 + 12 = 18;
	12 + 2 = 14;
	9 + 11 = 20;
	21 + 7 = 28;
	Nina

3 Answers will vary.

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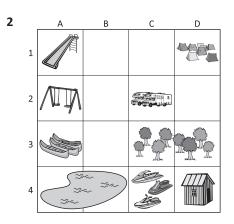
- 2a Answers will vary.
- **b** Teacher check.



- 4a Phillips Road
- **b** Johnston Street
- c Adam
- d Turn right into Foxhill Street, left into Fig Tree Street and right into Rosebud Road.

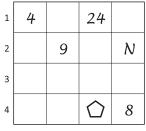
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- 1a Slide
- **b** Kayaks
- c Caravans
- d Tents



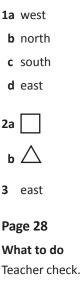
3a-f Answers will vary. Sample answers.

В С D A 4 24



g A2, A3, A4, B1, B3, B4, C2, C3, D1, D3

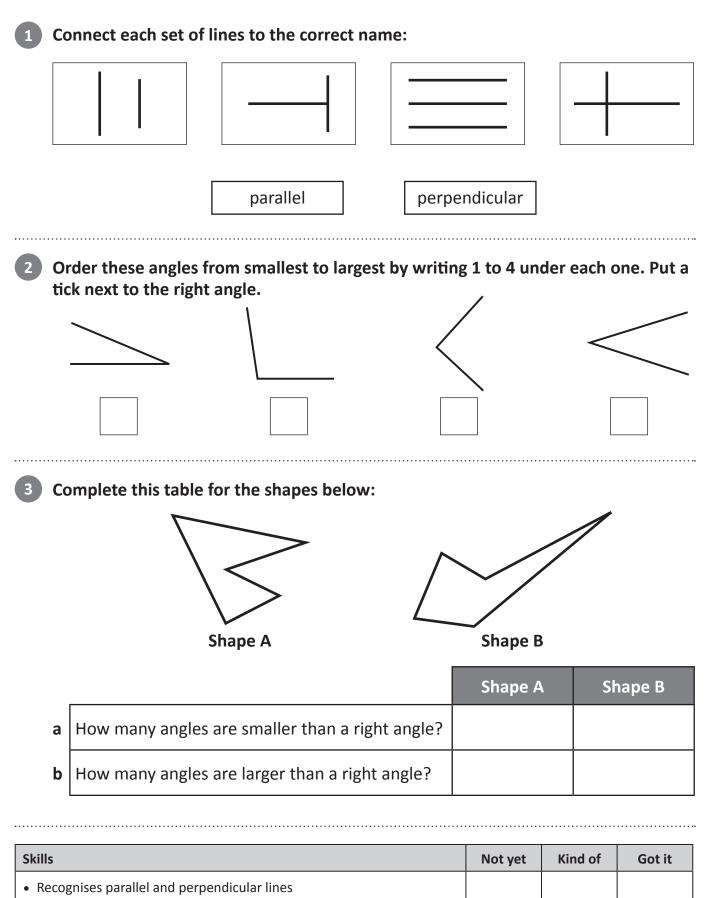
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Lines and angles

Name



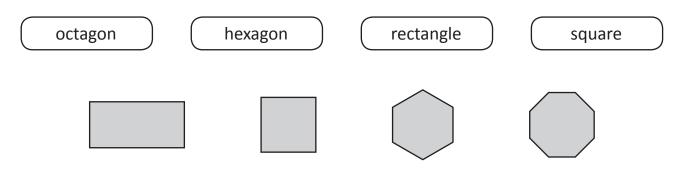


• Identifies angles in 2D shapes



Name

Connect each of these 2D shapes to the correct name:



Complete the table for these 2D shapes:

	Name	Number of sides	Number of angles
а			
b			
С			

Which shape am I? Circle the correct answer.

I have 4 sides but I am not a square.

My opposite angles are equal and not all sides are the same length.

I have 2 pairs of parallel lines.

I am a parallelogram.

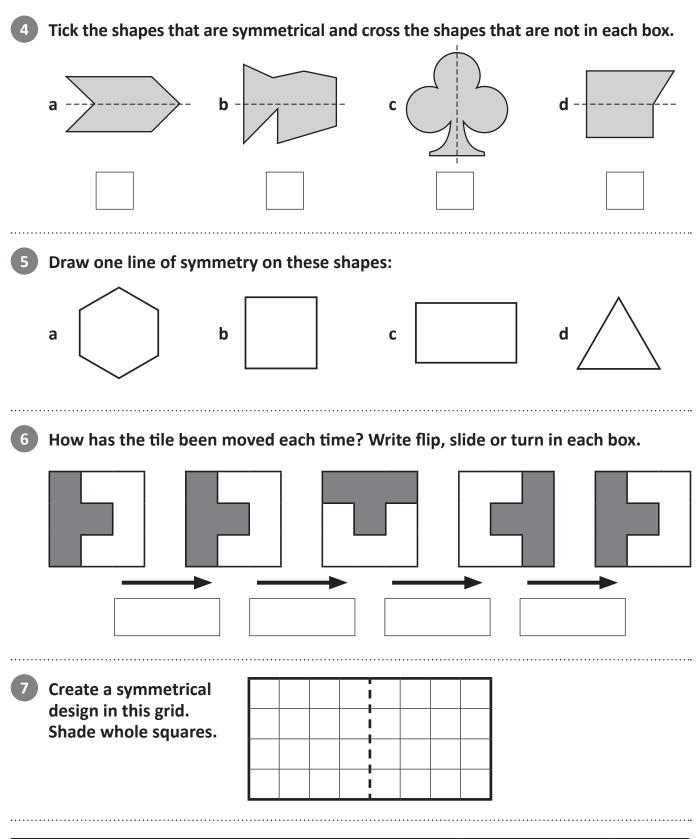
I am a rhombus.

Skills	Not yet	Kind of	Got it
 Names 2D shapes: square, circle, rectangle, triangle, pentagon, hexagon, octagon, rhombus, parallelogram, trapezium 			
Describes 2D shapes by the number of sides and angles			



3

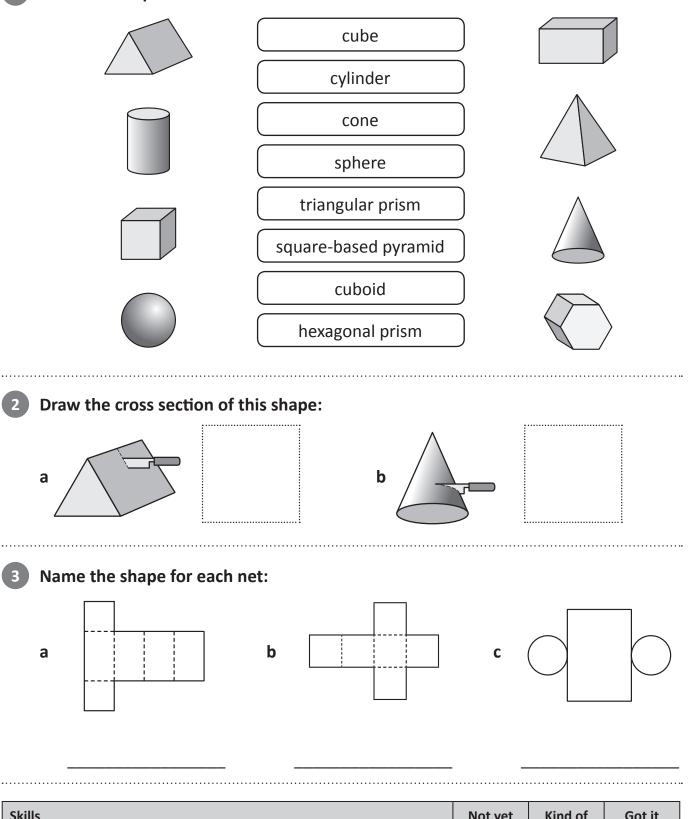
Investigating 2D shapes Name



Skills	Not yet	Kind of	Got it
Classifies objects as symmetrical or not			
Identifies some lines of symmetry for a 2D shape			
Can recognise whether a shape or pattern has been turned			

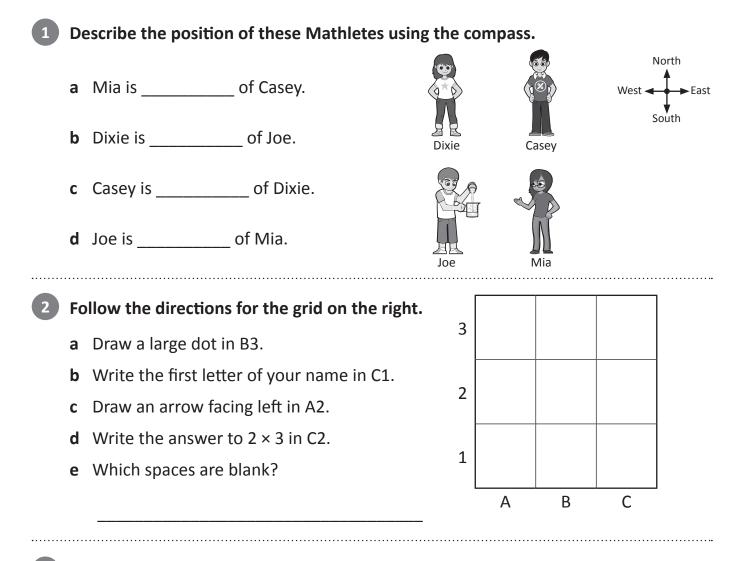
Investigating 3D shapes



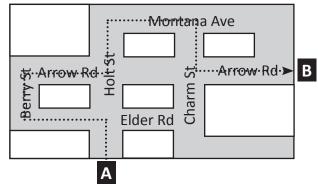


Skills	Not yet	Kind of	Got it
Names common prisms, pyramids, cylinders, cones and spheres			
Identifies a cross section of a 3D object			
Recognises the nets of common 3D objects			

Position



3 Carly's house is at A. Her friend Jo's house is at B. This is the way Carly walks to Jo's house. Is there a shorter way she can go? Describe it below:

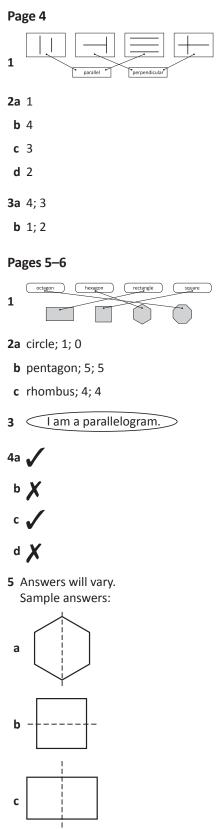


Skills	Not yet	Kind of	Got it
Uses N, S, E and W to describe location			
Uses grid coordinates to describe position			
Describes a route on a basic map			

Series D – Geometry – Student Progress Record

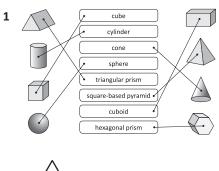
Name	Class	Date
/hat went well:		
/hat I need to improve:		
Series D – Geometry –	Student Progress Reco	d
Name	Class	Date
/hat went well:		
'hat went well:		
/hat went well:		
/hat went well:		

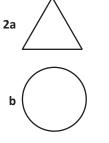
ASSESSMENT ANSWERS



- 6 slide; turn; turn; flip
- 7 Teacher check.

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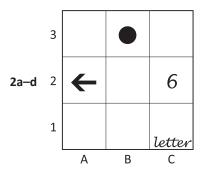




- 3a rectangular prism
- **b** cube
- c cylinder

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- 1a south
- **b** north
- c east
- $\boldsymbol{\mathsf{d}}$ west



- e A1, A3, B1, B2, C3
- 3 Answers will vary.



d

Торіс	Reference	Strand	Substrand	Objective
Lines and Angles	3G2	Geometry	Properties of shapes	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
Investigating 2D Shapes	3G3a	Geometry	Properties of shapes	Draw 2D shapes.
Investigating 3D Shapes	3G3b	Geometry	Properties of shapes	Make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.
Lines and Angles	3G4a	Geometry	Properties of shapes	Recognise that angles are a property of shape or a description of a turn.
Lines and Angles	3G4b	Geometry	Properties of shapes	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.
Position	4P2	Geometry	Position and direction	Describe movements between positions as translations of a given unit to the left/right and up/down.
Position	4P3a	Geometry	Position and direction	Describe positions on a 2D grid as coordinates in the first quadrant.

