

Geometry



Series B – Geometry

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Series B - Geometry

Page 1

1a, b Answers will vary.

Page 2

1 Teacher check.

2 yes; no; yes

yes; no; no; yes

3 Answers will vary. Students may notice that squares have 4 straight sides; all equal sides; and 4 right angled vertices.

Page 3

What to do

a square rectangle

Students may notice that: both have 4 sides; the opposite sides

are equal; and sides are straight.

A rectangle has 2 long sides.
A square is the same length on all sides.

What to do next

Teacher check.

Page 4

a circle oval

- **b** Observe students.
- **c** They are both round and neither has vertices.
- **d** The oval is longer.
- 2 Teacher check.

Page 5

1 Teacher check.

Students may say triangles have 3 sides and 3 vertices.

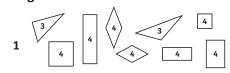
3 Do students recognise triangles in different orientations, with unequal sides and angles?

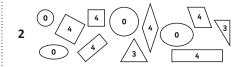
Page 6

What to do

Observe students.

Page 7





3	Shape	Sides	Vertices
а	triangle 🛆	3	3
b	square	4	4
С	rectangle	4	4

Page 8



2	Shape	Sides	Vertices
а	pentagon 🔷	5	5
b	hexagon	6	6

3a, b Answers will vary.

Page 9

What to do

Teacher check.

Do students note that triangles only have 3 vertices or angles?

What to do next

Teacher check.

Observe students.

No, circles have no vertices.

Page 10

What to do

Teacher check.

What to do next

Teacher check.

Page 11

What to do

Teacher check.

Observe students.

What to do next

Teacher check.

Observe students.

Answers will vary.

Page 12

What to do

Observe students.

Page 13

What to do

Teacher check.









Page 14

What to do

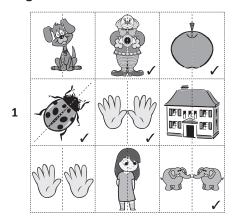
Answers will vary.

What to do next

Answers will vary.

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Page 15



Page 16

1a, b Teacher check.

2a Yes

b Teacher check.

Page 17

1 Answers will vary.

Pages 18-19

What to do

Teacher check.

Page 20

What to do

Pyramids have a point at the top where all the sides meet.

What to do next

Answers will vary.

Page 21

1 in front, inside, underneath, alongside

2a in front of

- **b** under
- **c** on
- **d** faraway
- e next to
- f Answers will vary.

Page 22

- 1 Teacher check.
- 2 Teacher check.
- 3 Observe students.

Page 23

1a-g Teacher check.

Pages 24-25

- 1a next to
- **b** over
- c beside
- **d** above
- **e** under
- f below
- g outside
- **h** on
- i around
- j (through
- **k** between
- I in front
- **m** behind
- n under
- **o** bottom
- **p** top

Page 26

What to do

Answers will vary.

What to do next

Answers will vary.

Page 27

- **1a** Do students see that a corner has been turned on the route?
- **b** Students may describe a route within school such as 'This is the way to Mrs Smith's classroom'.
- 2 It could be along a hill path or on a winding road.
- **3** Students may say within a city centre.

Page 28

- 1 Teacher check.
- 2 Teacher check.

Page 29

- 1 Teacher check.
- 2 Teacher check.

Page 30

What to do

Teacher check.

Pages 31-32

What to do

Observe students.

What to do next

- 1a slide
- **b** turn
- c turn
- **d** flip
- e flip
- **f** slide
- 2 Teacher check.

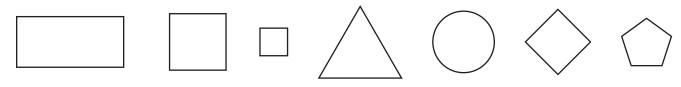
Page 33

- 1a half turn
- **b** three quarter turn
- c full turn

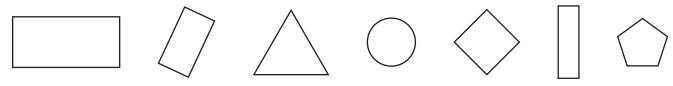
Page 34

- 1a clockwise
- **b** clockwise
- c anti-clockwise

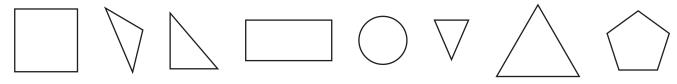
1 Colour the squares.



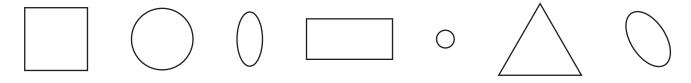
2 Colour the rectangles.



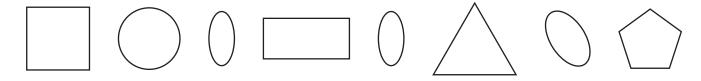
3 Colour the triangles.



4 Colour the circles.



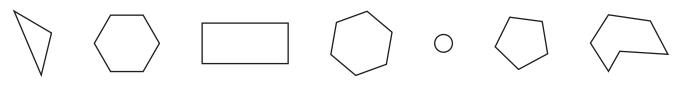
5 Colour the **ovals**.



6 Colour the pentagons.



7 Colour the hexagons.



8 Look at these shapes.



a What are some things that are the same about these shapes?

b What is **different** about them?

- **c** Trace the sides. Circle any vertices.
- 9 How many sides and vertices?

	Shape	Sides	Vertices
a	triangle 🛆		
b	square		
C	rectangle		

10 Draw the other side of the picture. Make it symmetrical.



11 Draw a picture using squares, rectangles, triangles and circles.

Skills and understandings	Not yet	Kind of	Got it
• Identifies squares, rectangles, circles, ovals, triangles, pentagons and hexagons in different orientations and environments			
Describes properties of shapes using everyday language			
Identifies sides and vertices of 2D shapes			
Recognises line symmetry			
Represents 2D shapes in different orientations and environments			

1 Draw a line to join the object with its matching 3D shape.





















2 Circle the 3D shapes:

a that would roll











b that would **stack**



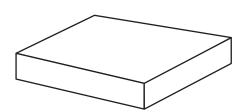




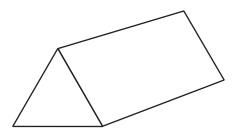




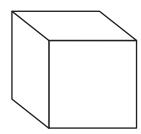
3 a Trace the **edges**.



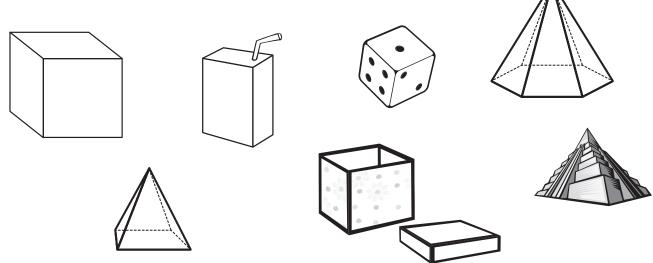
b Circle the **vertices**.



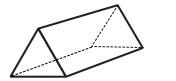
c Colour the faces.



4 Colour the prisms. Circle the pyramids.



5 Look at these shapes.

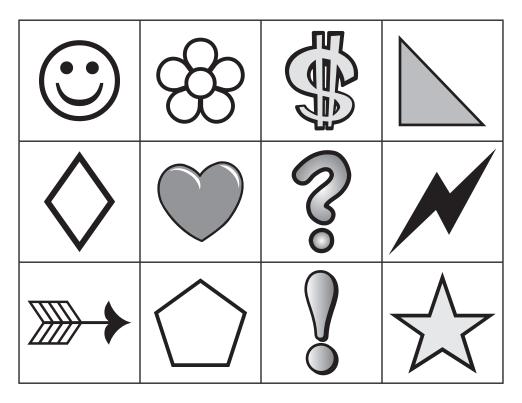




a What is **the same** about these 2 shapes?

b What is **different** about these 2 shapes?

Skills and understandings	Not yet	Kind of	Got it
Identifies and describes simple 3D shapes in a range of orientations and environments			
Recognises which 3D shapes stack and which roll			
Recognises and labels edges, vertices and faces			
Identifies and compares pyramids and prisms			



- 1 Look at the grid. Draw the figure that is:
 - **a** under $\center{3}$

- **b** under

- c above ⋙→
- **d** between and



e below

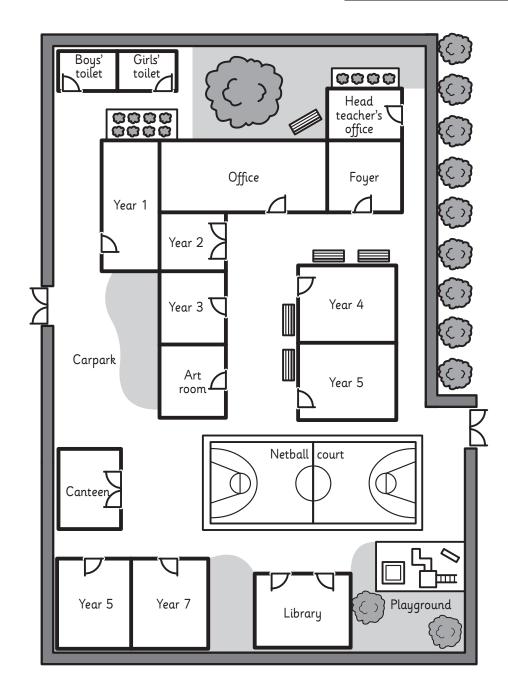
 \mathbf{f} next to \bigcirc



2 Draw something that is:

in front of your teacher's desk

behind your teacher's desk



- **3 a** Draw a red line to show **a short way** from the Office to the Year 2 classroom.
 - **b** Draw a grey line to show **a long way** to get from the Office to the Year 2 classroom. Do not trace over your steps.

Skills and understandings	Not yet	Kind of	Got it
Recognises and uses everyday language of position			
Reads simple maps and maps routes			

Series B – Geometry – Student Progress Record

Name	Class	Date
hat went well:		
hat I need to improve:		
eries B – Geometry –	Student Progress R	Record
Name	Class	Date
/hat went well:		
/hat went well:		
Vhat I need to improve:		

Series B – Geometry

ASSESSMENT ANSWERS

Pages 3-5







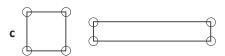








- 8a Answers may include:
 - they have 4 sides
 - they have 4 vertices
 - their opposite sides are same length.
- **b** A rectangle has 2 long and 2 short sides.

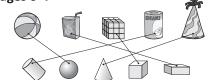


9	Shape	Sides	Vertices
а	triangle 🛆	3	3
b	square	4	4
С	rectangle	4	4



12 Teacher check.

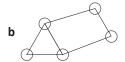
Pages 6-7



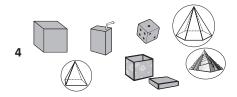












- **5a** Students may note they have triangular sides.
- **b** One is a prism. One is a pyramid. The pyramid's sides come up to one point.

Pages 8-9

- 1a 🐰
- b (
- c 🔷
- d $\sqrt{}$
- e 🔨
- f %
- 2 Answers will vary.
- 3a, b Teacher check.

Series B – Geometry

Topic	Reference	Strand	Substrand	Objective
2D Shape	1G1a	Geometry	Properties of Shape	Recognise and name common 2D shapes [e.g. rectangles (including squares), circles and triangles].
3D Shape	1G1b	Geometry	Properties of Shape	Recognise and name common 3D shapes [e.g. cuboids (including cubes), pyramids and spheres].
Position	1P2	Geometry	Position and Direction	Describe position, direction and movement, including half, quarter and three-quarter turns.