Naming 3D objects

Name the 3D objects labelled in these models. Use the word bank to help you.



Word bank						
	cube	prism	sphere	cone	cylinder	pyramid
A	<u> </u>		с	one		
В			cyl	inder		
С	4 *	cube				
D)	cylinder				
E		prism				
F			с	ube		
G	a		руг	ramid		
Н	[sp	here		
Ι			с	ube		
J			p	rism		

2

Use building blocks to build your own model. Record what it looks like by drawing and labelling the different 3D objects used.

Which blocks are best to use as the base of your model? Why?

Answers will vary.

87

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Shape

Faces of 3D objects

1

Each 3D object has a face covered in red ink. Draw a line to match each object with the shape the face will print.

A face is a flat surface.



2 Look at the faces of these 3D objects. Colour the shapes of the faces on each object.



Shape

88

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1

Colour the 2D shape that can be seen from the top view of these 3D objects.



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Cambridge University Press

Corners, edges and faces

Xtx X

П

Place a cross on each face.



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Use straws and plasticine to make these 3D models.

Make a 3D model with \boldsymbol{b} faces that are all the same. Draw α your model.



b Make a 3D model with 4 triangular faces and a square as the base. Draw your model.





cube, pyramid



93



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3

94

Shape

Complete the table for each shape.

Word bank					
rhombus	circle	trapezium	triangle		
nexagon	rectang	gie			

*



	Name of shape	Number of sides	Number of corners
А	rectangle	4	4
В	circle	1	0
С	triangle	3	3
D	hexagon	6	6
Е	rhombus	4	4
F	trapezium	4	4

- 2 Make the four-sided shapes on a geoboard.
 - Colour the hexagons that are irregular.

A hexagon has 6 sides. A **regular** hexagon has 6 equal sides and angles. An **irregular** hexagon has 6 sides that are not all equal.

Make some regular and irregular hexagons on a geoboard.

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Draw and name the shapes.



a Make a shape using 3 straws that are the same length.



Make a shape using 2 long straws and 2 short straws.

rectangle

Make a shape using 4 straws that are the same length.



d Make a shape using
b straws that are the same length.



2

Use pipe cleaners and straws to make an irregular shape. Draw your shape.

Answers will vary.

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Horizontal and vertical lines

Circle the flags that have vertical lines. Cross the flags that have horizontal lines.

1

They go across. The stripes on this flag are **vertical**.They go up and down.

The stripes on this flag are **horizontal**.



2 Trace the horizontal lines in the picture **red** and the vertical lines **blue**.



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Shape



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1

Tear a corner off a piece of paper. Find angles in your classroom that are the **same**, **smaller** or **larger** than the corner.

Record where you found them. Answers will vary.

Same	Smaller	Larger
doorway		

2

Compare your paper corner with the angles highlighted on the photo.



Angles that are the	same as my paper corner: _	С	_ and	D	_
Angles that are smo	aller than my paper corner:	Α	_ and _	Е	
Angles that are larg	ger than my paper corner: _		В	M	iB Card 162
			Sh	ape	99
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