

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

Resource for Unit 4

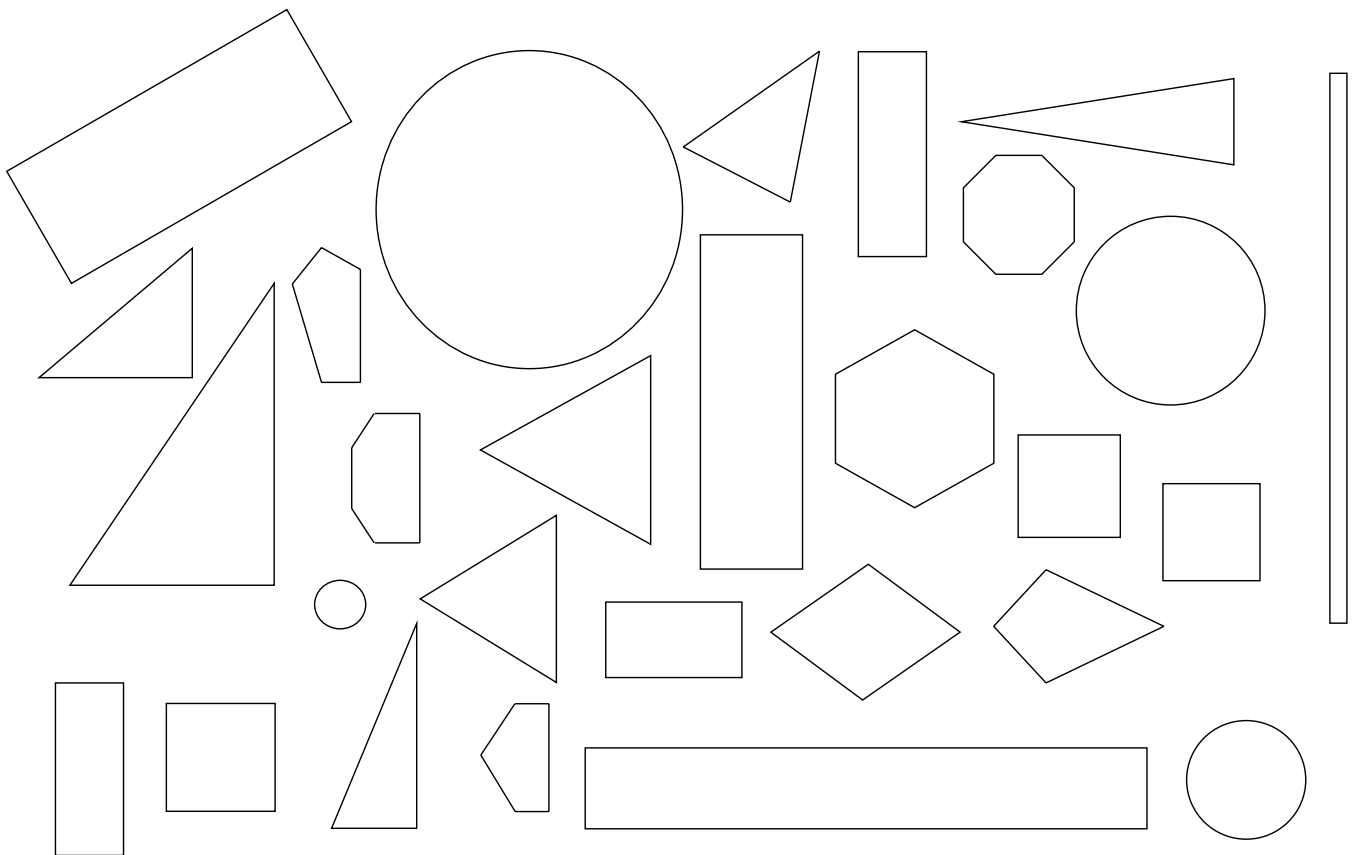
Can be used to meet

Assessment Criteria: L1

Assessment Criteria: L2

Assessment Criteria: L3

Title: 2D Shapes Sheet



# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Rewarding Learning

Name:

Resource for Unit 4

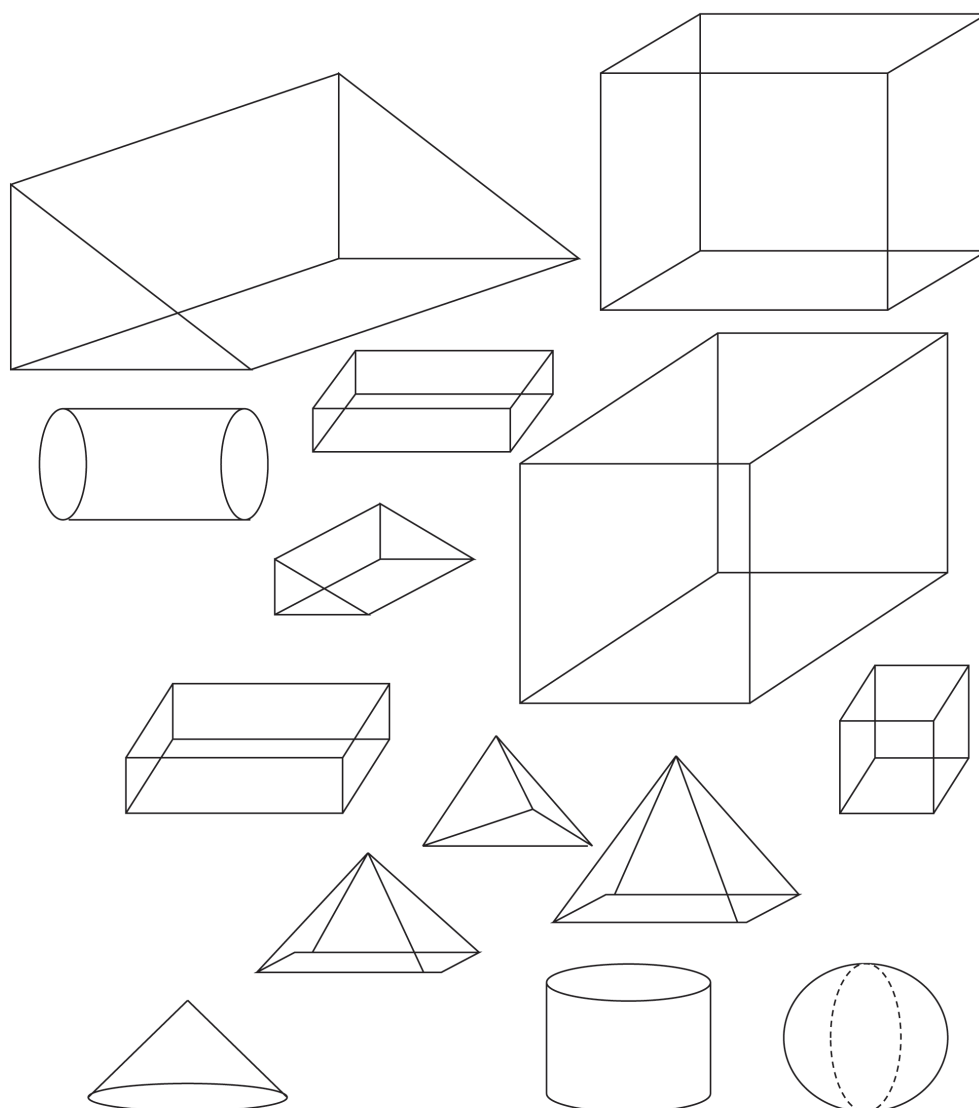
Can be used to meet

Assessment Criteria: L1

Assessment Criteria: L2

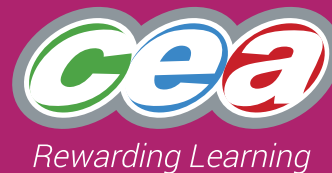
Assessment Criteria: L3

Title: 3D Shapes Sheet



# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

Resource for Unit 4

Can be used to meet

Assessment Criteria: L1

Assessment Criteria: L2

Assessment Criteria: L3

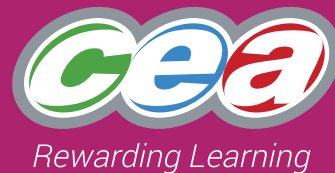
Title: Words to describe 2D and 3D Shapes Word Bank

Word bank

2-D	3-D	build	corner	corners
curved edge	curved face	curved sides	edge	edges
equal edges	face	faces	flat	flat face
hollow	largest	long	longer	longest
narrow	narrower	not curved	not flat	not round
opposite	opposite edges	parallel	pointed	right-angled
right-angles	roll	round	rounded	short
shorter	shortest	side	sides	slide
smallest	solid	stack	straight	straight sides
symmetry	taller	tallest	vertex	vertices

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



**Name:**

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L1 1.1/1.2**

**Title: Identifying 2D and 3D shapes**

**YOU WILL NEED:**

- a collection of 2D and 3D shapes;
- access to the mathematics photograph albums;
- the 2-D shapes sheet;
- the 3-D shapes sheet;
- colouring pencils.

**On the 2D Shapes Sheet**

Colour in:

- squares using red;
- rectangles with pink;
- circles with blue;
- triangles with yellow;

**On the 3D Shapes Street**

Colour in:

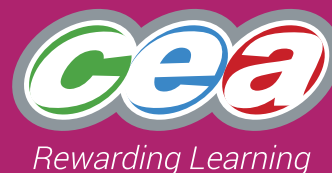
- cubes with green;
- cuboids with purple;
- spheres with orange.

**Browse through the mathematics photograph albums.**

Try to identify as many of these shapes as you can.

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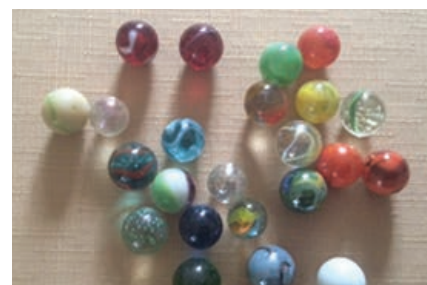
Can be used to meet

Assessment Criteria: L1 1.2/3.2

## Title: Identifying and Describing 3D Shapes

Match the names of the solid shapes to the objects in the photographs.

cuboid	sphere	cube
--------	--------	------



Use the Words to describe 2D and 3D shapes Word Bank to help you complete the sentences about corners and faces.

A cube has \_\_\_\_

A cube has \_\_\_\_

A cuboid has \_\_\_\_

A cuboid has \_\_\_\_

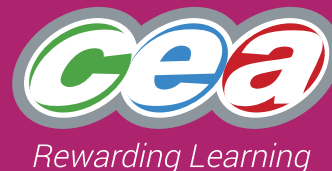
A sphere has \_\_\_\_

A sphere does not have any \_\_\_\_

A sphere does not have any \_\_\_\_

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

Resource for Unit 4

Can be used to meet

Assessment Criteria: L1 2.1/3.1/3.2

Title: Comparing 2D shapes and 3D shapes

You will need:

- a collection of 2D shapes and 3D objects;
- access to the WORKING WITH SHAPES (Set 1) photographs;
- the words to describe 2D and 3D shapes word bank.

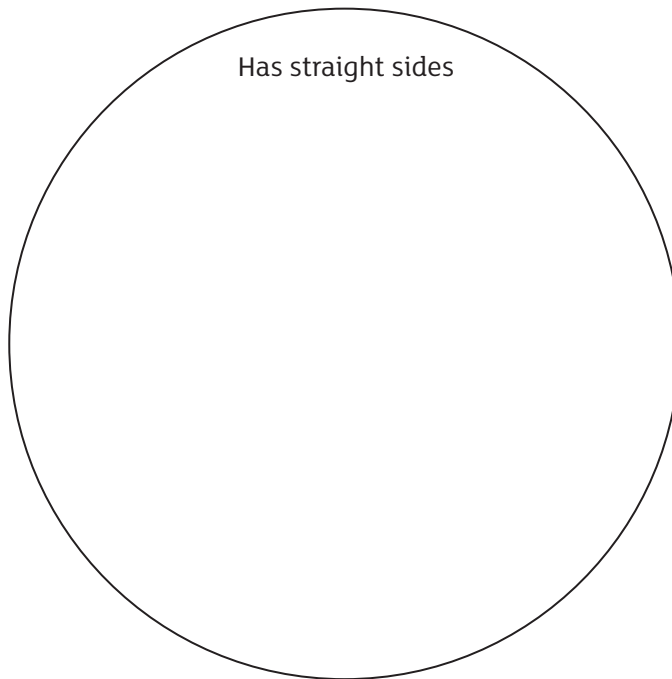
Use the word bank to help you compare the shapes.

Select shapes and sort them into groups.

Eg. has straight sides, does not have straight sides  
or curved, not curved.

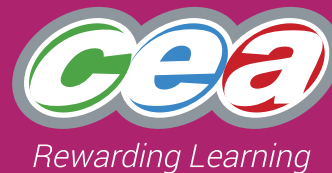
Does not have straight sides

Has straight sides



# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L2 2.1/3.1**

**Title: Comparing and Sorting 2D and 3D shapes**

You will need:

- a collection of 2D shapes and 3D objects;
- access to the mathematical photograph albums;
- the words to describe 2D and 3D shapes word bank.

**What is the same? What is different?**

**Use the word bank to help you write sentences that compare the different shapes.**

**Select shapes and sort them into groups.**

Eg. 3 sides and 4 sides

or triangular faces and rectangular faces.

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



**Name:**

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L2 1.1/1.2**

**Title: Identifying 2D and 3D shapes**

**YOU WILL NEED:**

- a collection of 2D and 3D shapes;
- access to the mathematics photograph albums;
- the 2-D shapes sheet;
- the 3-D shapes sheet;
- colouring pencils.

**On the 2D Shapes Sheet**

Colour in:

- squares using red;
- rectangles with pink;
- circles with blue;
- triangles with yellow;

**On the 3D Shapes Street**

Colour in:

- cubes with green;
- cuboids with purple;
- spheres with orange;
- cylinders with light blue;
- pyramids with brown.

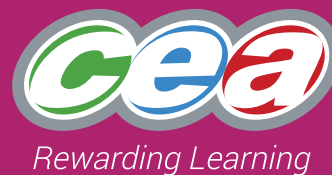
**Browse through the mathematics photograph albums.**

Try to identify as many of these shapes as you can.



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Resource for Unit 4

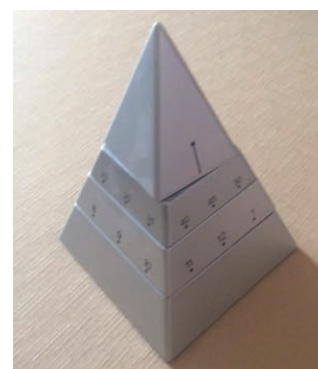
Can be used to meet

Assessment Criteria: L2 1.2

## Title: Identifying 3D shapes

Identifying and describing 3D shapes.

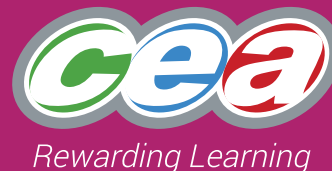
Match the names of the solid shapes to the objects in the photographs.



sphere	pyramid	cylinder	cube	cuboid
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# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

## Resource for Unit 4

Can be used to meet

**Assessment Criteria: L3 1.1/1.2**

## Title: Identifying 2D and 3D shapes

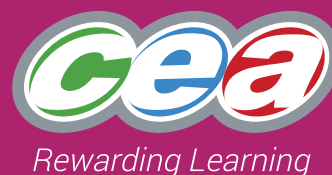
**Browse through the mathematics photograph albums.**

Find photographs that have pictures of the following 2D and 3D shapes:

shape	photograph
(a) square	
(b) rectangle	
(c) circle	
(d) triangle	
(e) semicircle	
(f) regular pentagon	
(g) regular hexagon	
(h) regular octagon	
(i) cube	
(j) cuboid	
(k) cylinder	
(l) sphere	
(m) cone	
(n) triangular prism	
(o) square based pyramid	

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

## Resource for Unit 4

Can be used to meet

**Assessment Criteria: L3 3.2**

### Title: Design Border Patterns with 2D shapes

Create a border pattern of your own.

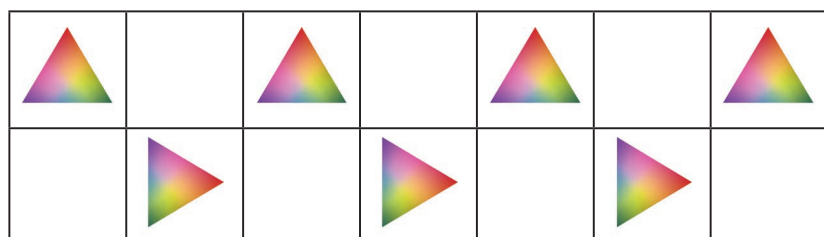
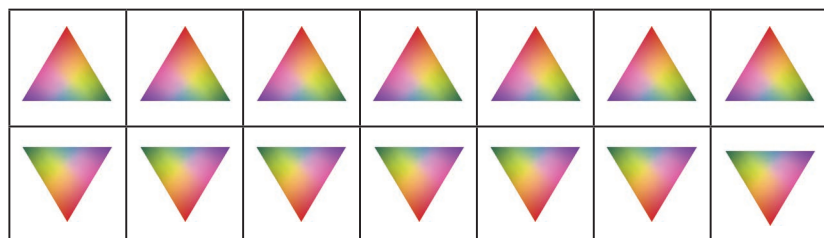
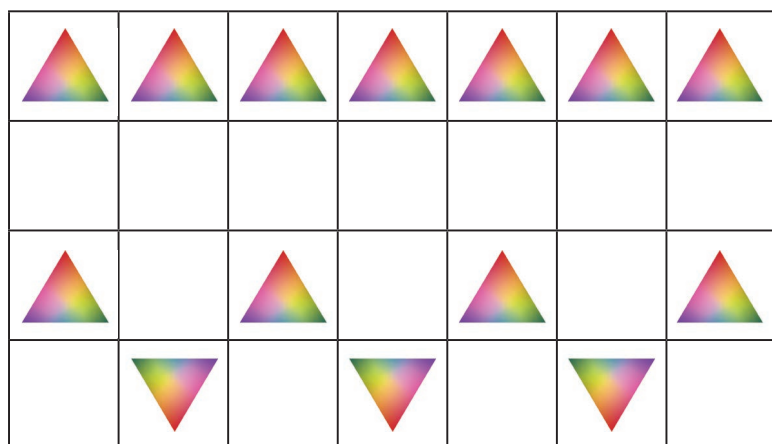
You can use any shape and as many colours as you like.

**Use the border pattern templates to help you.**

The border pattern templates show how you can

- move a shape to make a pattern;
- turn a shape to make a pattern;
- use a line of symmetry to make a pattern.

Eg



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Unit 4 Working with Shape



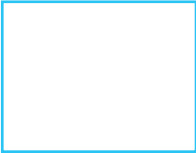
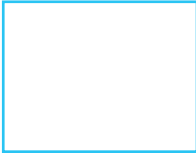
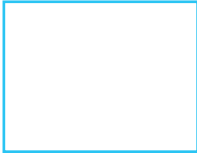
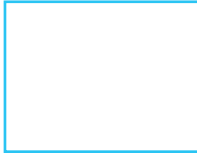
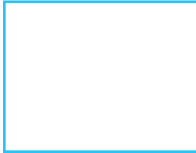
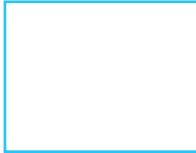
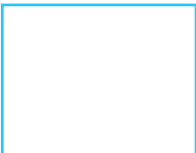
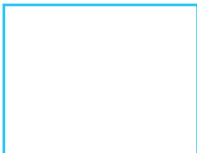
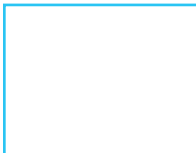
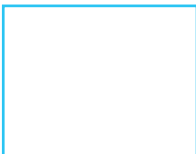
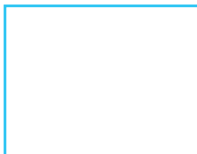
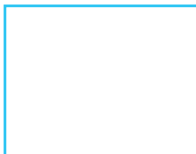
Name:

Resource for Unit 4

Can be used to meet

Assessment Criteria: L3 3.2

Title: Border Pattern Templates

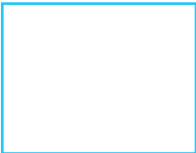
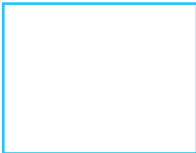
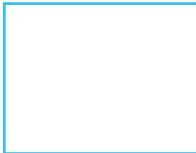
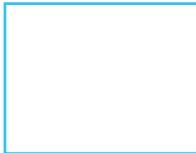
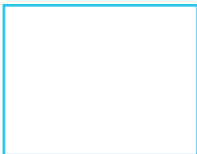
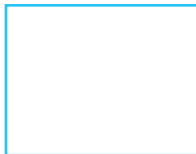
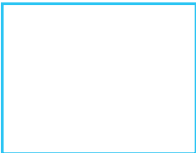
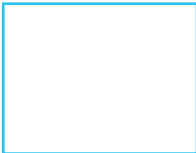
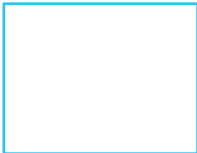
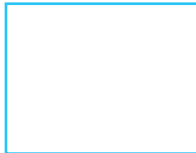
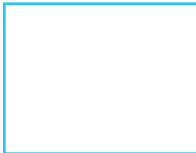
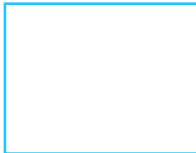
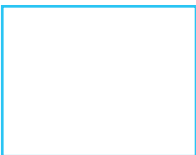
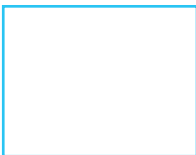
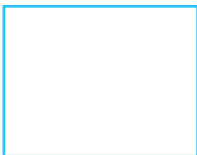
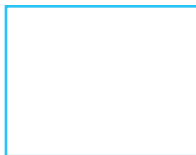
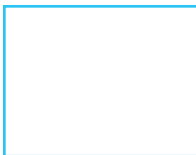
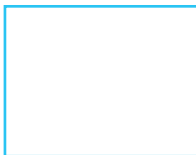
					
					
					

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



*Rewarding Learning*

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



Name:

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L3 3.1**

**Title: Comparing 2D and 3D shapes**

You will need:

- a collection of 2D shapes and 3D objects;
- access to the mathematical photograph albums;
- the words to describe 2D and 3D Shapes word bank.

**Use the word bank to help you compare the shapes.**

What is the same?

What is different?

Write sentences about what you have noticed.

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# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



**Name:**

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L3 4.1**

## Title: Describing Faces

How many sides?

How many corners?

How many right angles?

Are the lengths of the sides the same?

1. Find an object that has a square face.
2. Write down the name of the object.
3. Make a copy of the square on squared paper.
4. Copy and complete these sentences about a square:

- The square has four ...
- The square has four ...
- The square has four ...
- The four sides are ...

1. Find an object that has a rectangular face.
2. Write down the name of the object.
3. Make a copy of the rectangle on squared paper.
4. Copy and complete these sentences about a rectangle:

- The rectangle has four ...
- The rectangle has four ...
- The rectangle has four ...
- The opposite sides are ...

# Task Sheet

Entry Level Maths:  
Unit 4 Working with Shape



**Name:**

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L3 4.1**

## Title: Describing Faces (continued)

How many sides?

How many corners?

How many right angles?

Are the lengths of the sides the same?

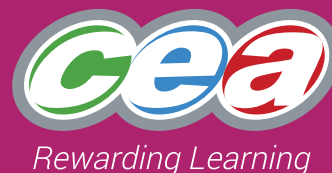
1. Find an object that has a circular face.
2. Write down the name of the object.
3. Make a copy of the circle on squared paper.
4. Copy and complete these sentences about a circle:
  - The circle has one ...
  - The circle does not have any ...

1. Find an object that has a triangular face.
2. Write down the name of the object.
3. Make a copy of the triangle on squared paper.
4. Copy and complete these sentences about a triangle:
  - The triangle has three ...
  - The triangle has three ...
  - The triangle has ...
  - The three sides are ...



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**Name:**

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L3 4.1/5.1**

**Title: Describing Shapes**

**Create a smaller album of your own for regular 2D shapes.**

Each page should include:

- a title  
(name of the shape)
- a photograph of an object that shows the regular 2D shape
- a diagram that you have drawn of the shape
- a description of the shape  
(number of sides, corners, right angles)
- something else that you have noticed about the shape  
(lines of symmetry, can tessellate ...)

**Create scrapbook pages for 3D shapes.**

Each scrapbook page should include:

- a title  
(name of the shape)
- a diagram of the shape  
(you can use the 3D shapes sheet)
- a description of the shape  
(number of edges, corners, faces, shape of faces)
- something else that you have noticed about the shape

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Name:

**Resource for Unit 4**

Can be used to meet

**Assessment Criteria: L3 6.1**

**Title: Tessellation**

**Make a poster about Tessellations.**

The poster should include:

- a title;
- a photograph of a tessellation pattern;
- a tessellation pattern that you have made;
- a sentence to say why the patterns are called tessellations.

Some of the following words maybe helpful:

fit together, gaps, no gaps, overlap, pattern, regular, repeating, repeat, spaces, tile.

