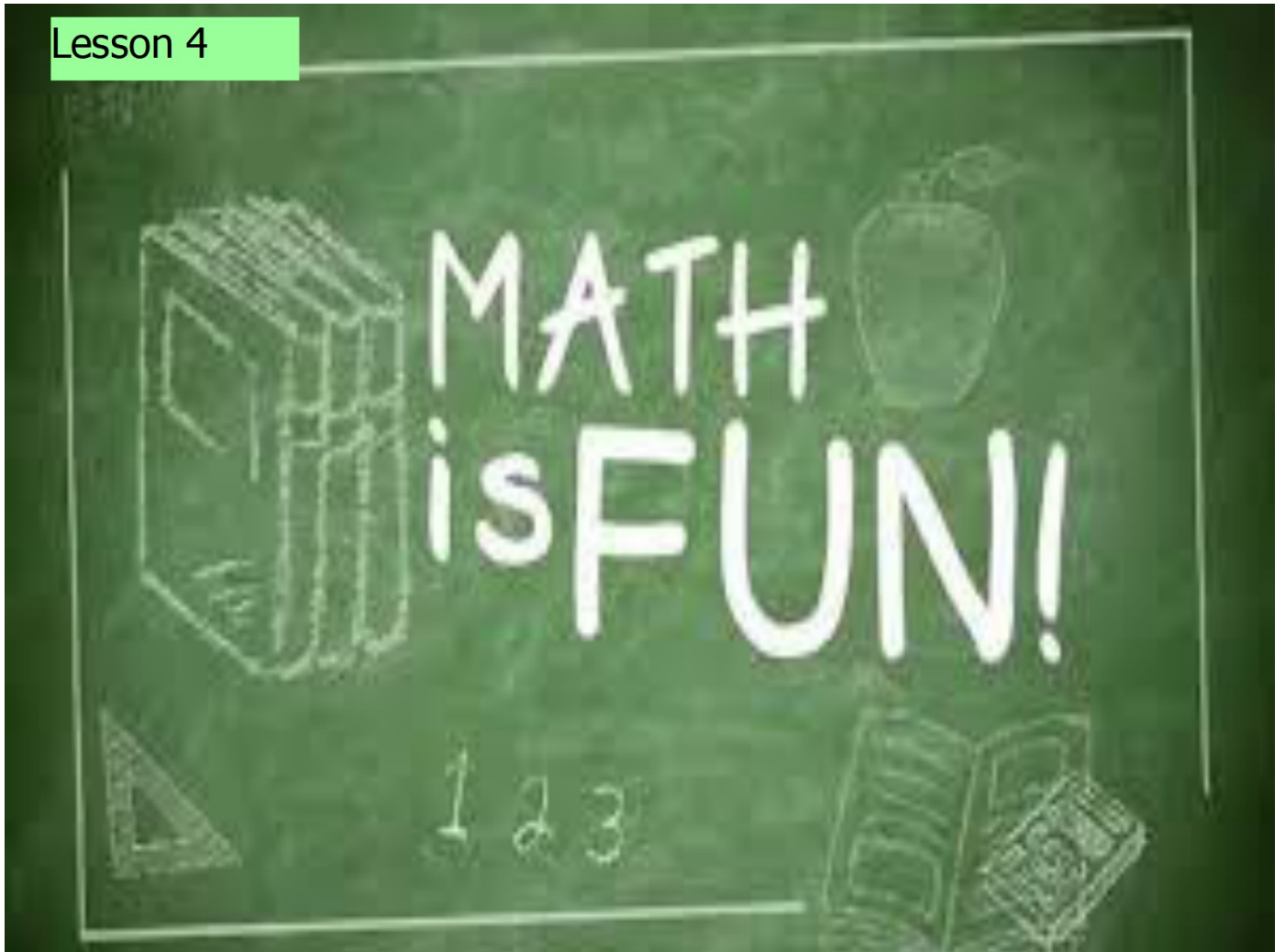


Lesson 4

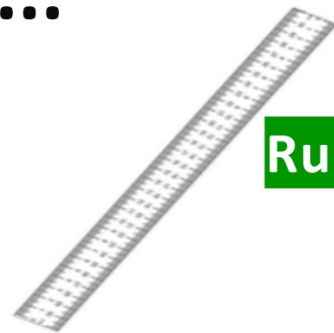


**Lesson4**

# You will need...



**Pencil**



**Ruler**



**Paper**



**14.01.2021**

**LI: To describe the properties of 2D and 3D shapes using accurate language**

**Success Criteria**

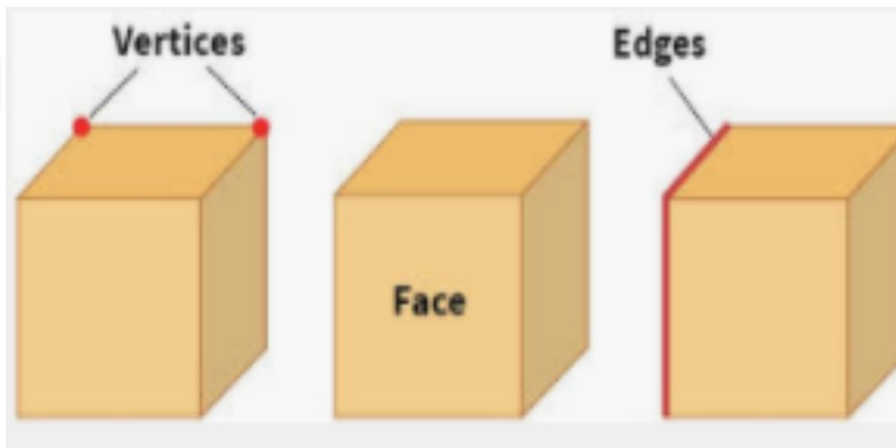
**I can identify vertices**

**I can identify edges and sides**

**I can solve problems using my knowledge of the properties of shapes**

## Key Vocabulary

**Vertices**



**Edges**

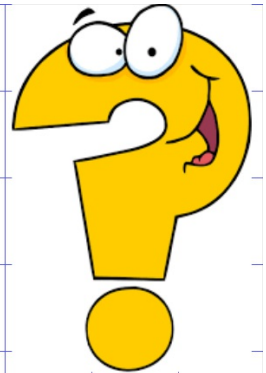
**Face**

Starter

**1) Guess the shape**

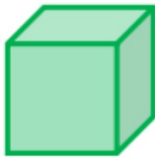
a) Which shape has 4 sides of equal length?

b) What is the name of an 8 sided shape?

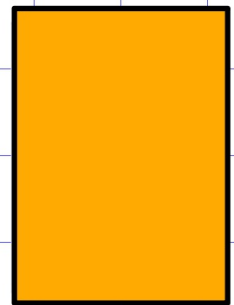


Model: Have practical concrete resources prepared.

1. Describe this 3-D shape.



This shape is a \_\_\_\_\_.  
It has \_\_\_\_ faces.  
It has \_\_\_\_ edges.  
It has \_\_\_\_ vertices.



2. Mo has a 3-D shape, he says,



One face of my 3-D shape is a square.

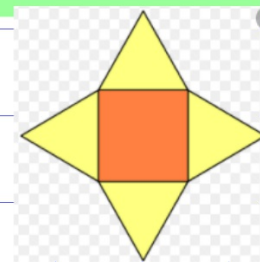
What could Mo's shape be?



3. Which 3D shapes can be made from these designs and why?

Cube




Square based pyramid



14.01.2021

**LI: To describe the properties of 2D and 3D shapes using accurate language**

Check it: Fill in the missing values

| Name   | Surfaces |        | Edges |        | Vertices | Picture   |
|--------|----------|--------|-------|--------|----------|---|
|        | Flat     | Curved | Flat  | Curved |          |   |
| sphere | 0        | 1      | 0     | 0      | 0        |   |
| cube   | 6        | 0      |       | 0      |          |  |
| cuboid |          | 0      | 12    | 0      | 8        |  |

SC:

I can identify vertices

I can identify edges and sides

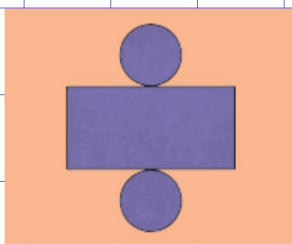
I can solve problems using my knowledge of the properties of shapes

Think it:

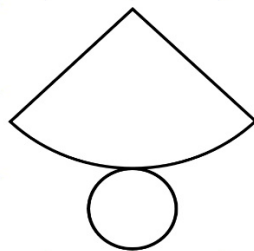
1. What is the same and what is different about these shapes? Find three facts.

Master it: Which shapes do the nets show and why?

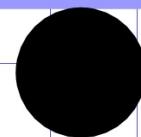
1.



2.



2. A shape has left this shadow. Which shapes could create the shadow?








14.01.2021

SA

LI: To describe the properties of 2D and 3D shapes using accurate language

Check it: Fill in the missing values

| Name   | Surfaces |        | Edges |        | Vertices | Picture   |
|--------|----------|--------|-------|--------|----------|---|
|        | Flat     | Curved | Flat  | Curved |          |   |
| sphere | 0        | 1      | 0     | 0      | 0        |    |
| cube   | 6        | 0      | 12    | 0      | 8        |  |
| cuboid | 6        | 0      | 12    | 0      | 8        |  |

SC:

I can identify vertices


I can identify edges and sides

I can solve problems using my knowledge of the properties of shapes

Think it:

1. What is the same and what is different about these shapes?

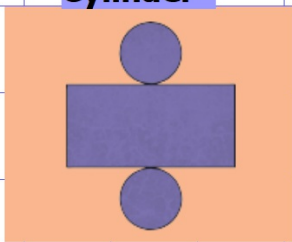
Find three facts.

| Cone  | Cylinder  |
|---|---|
|  |  |
| 2 Faces<br>1 Edge<br>1 Vertex   | 3 Faces<br>2 Edges<br>0 Vertices  |

Master it: Which shapes do the nets show and why?

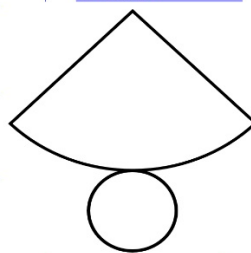
1.

Cylinder

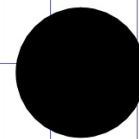


2.

Cone



2. A shape has left this shadow. Which shapes could create the shadow?



Cylinder  
Cone