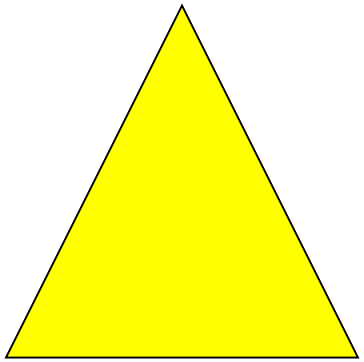
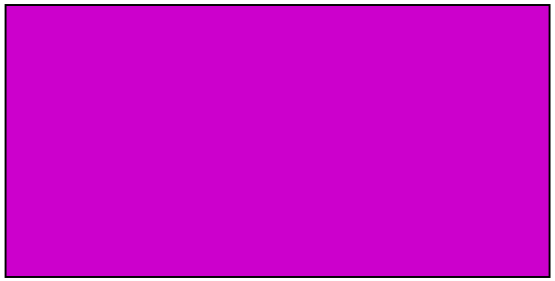
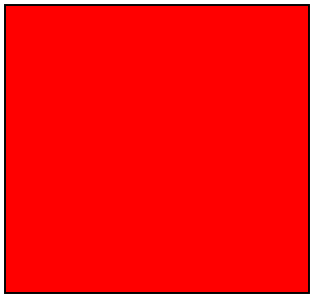
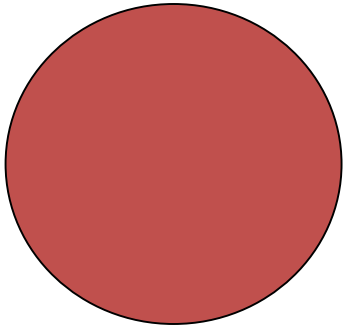
IDENTIFYING SHAPE PROPERTIES

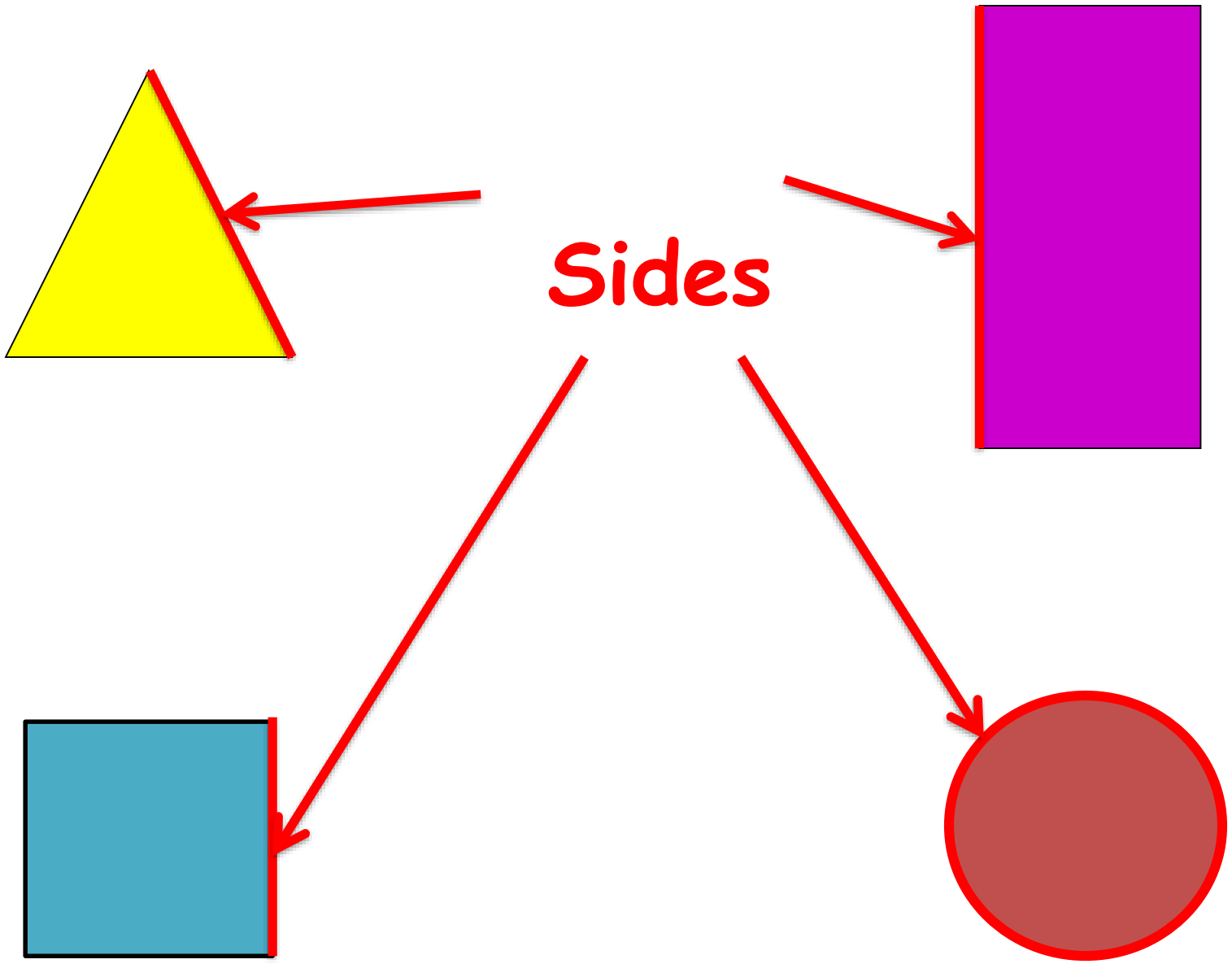
What properties does a 2D SHAPE have ?

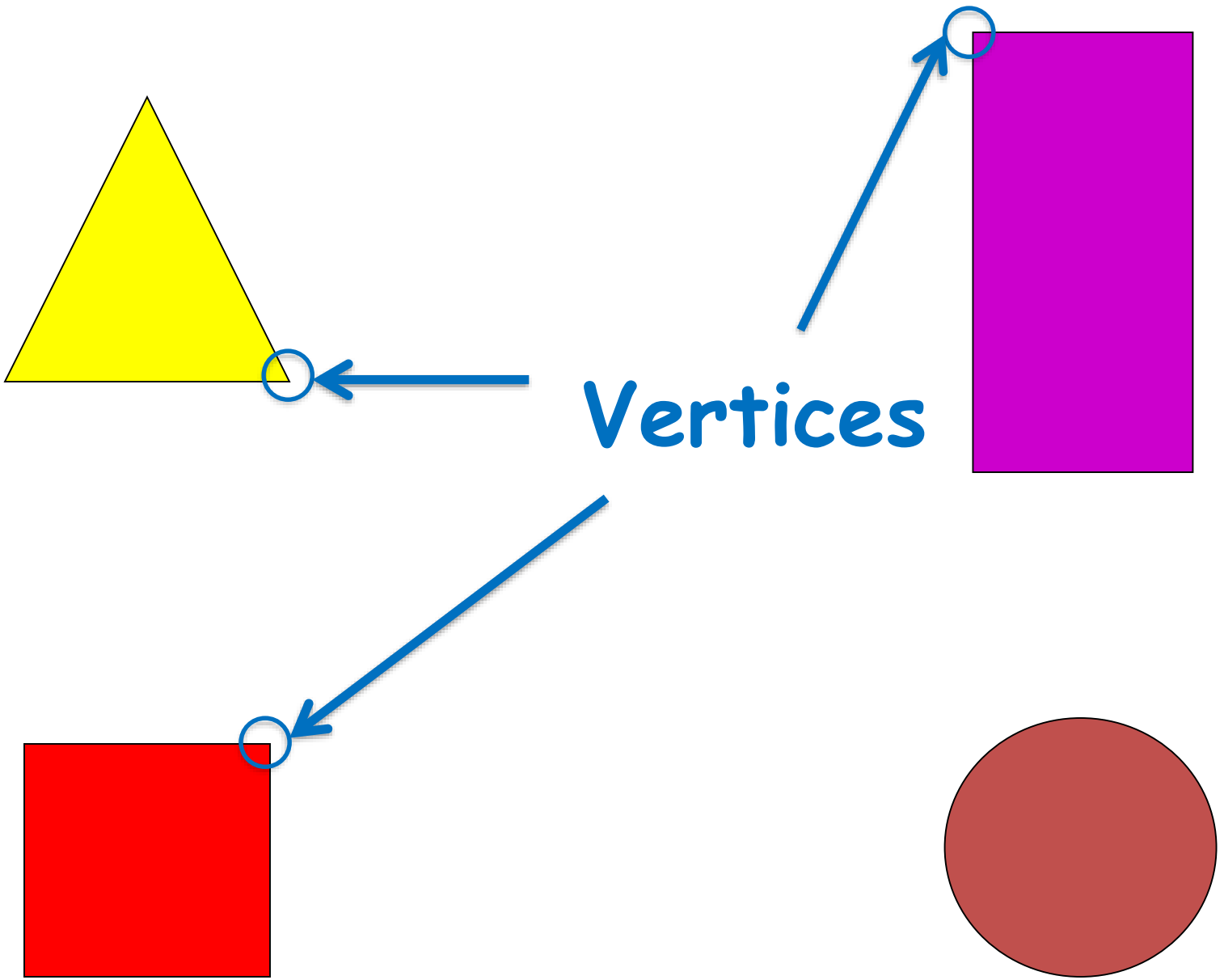


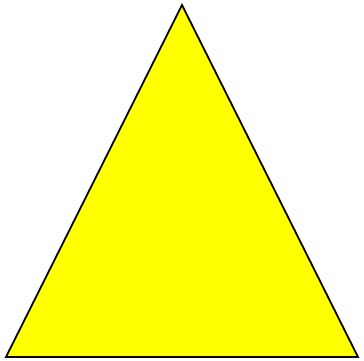


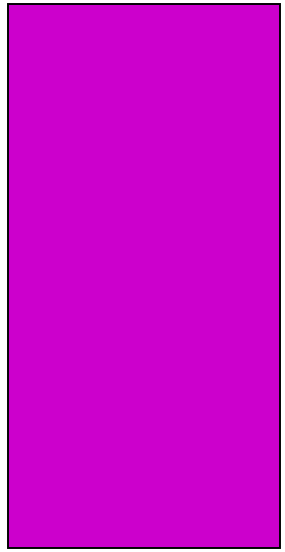




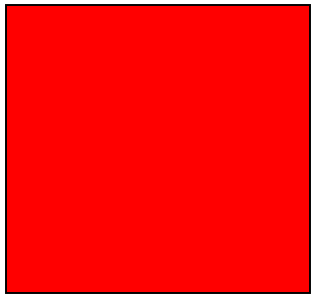

Sides

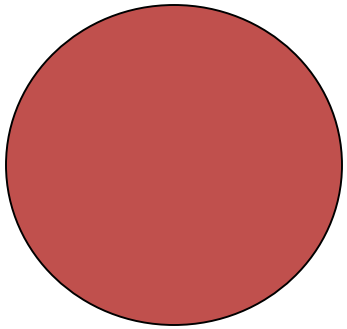

Vertices





Can you guess the shape?



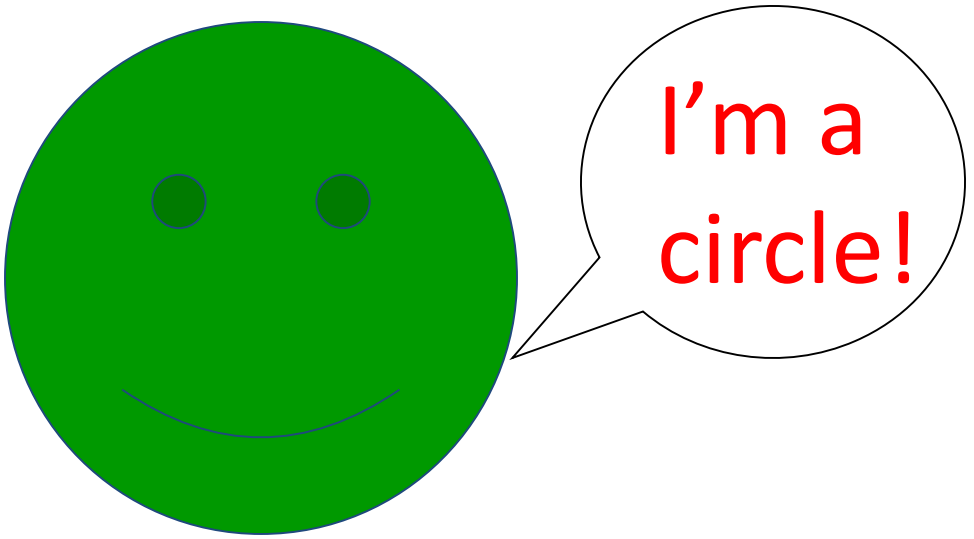


I am a flat shape.

I have 1 curved side.

I have no vertices.

What shape am I?

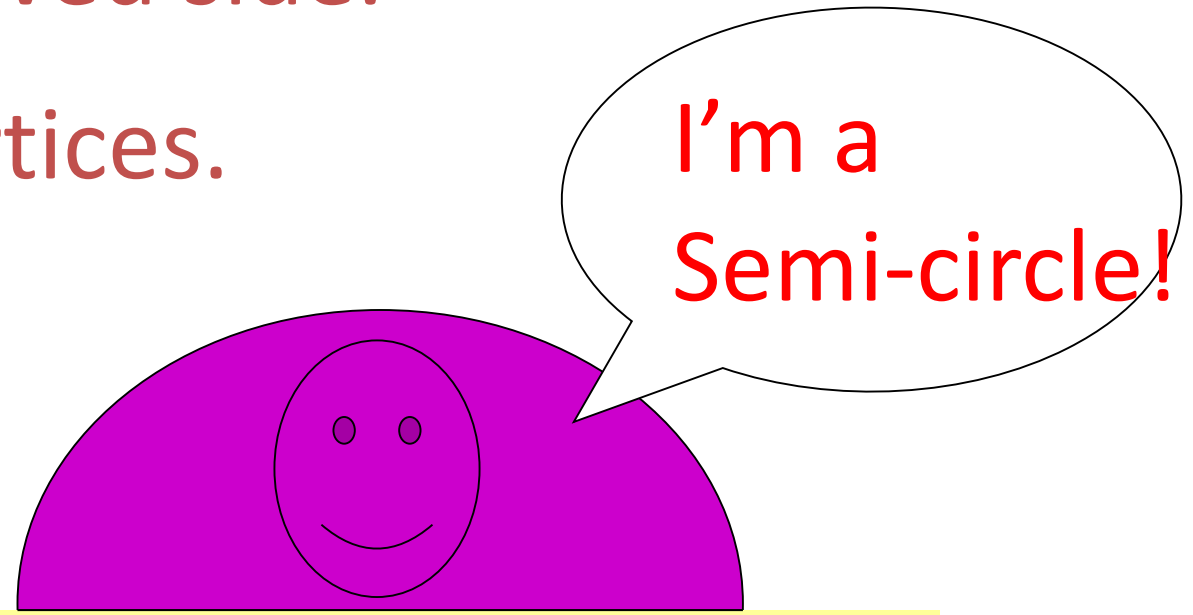


I am a flat shape.

I have 1 straight sides.

I have 1 curved side.

I have 0 vertices.

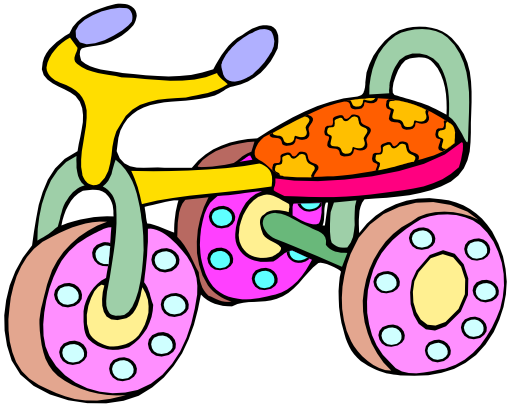


What shape am I?

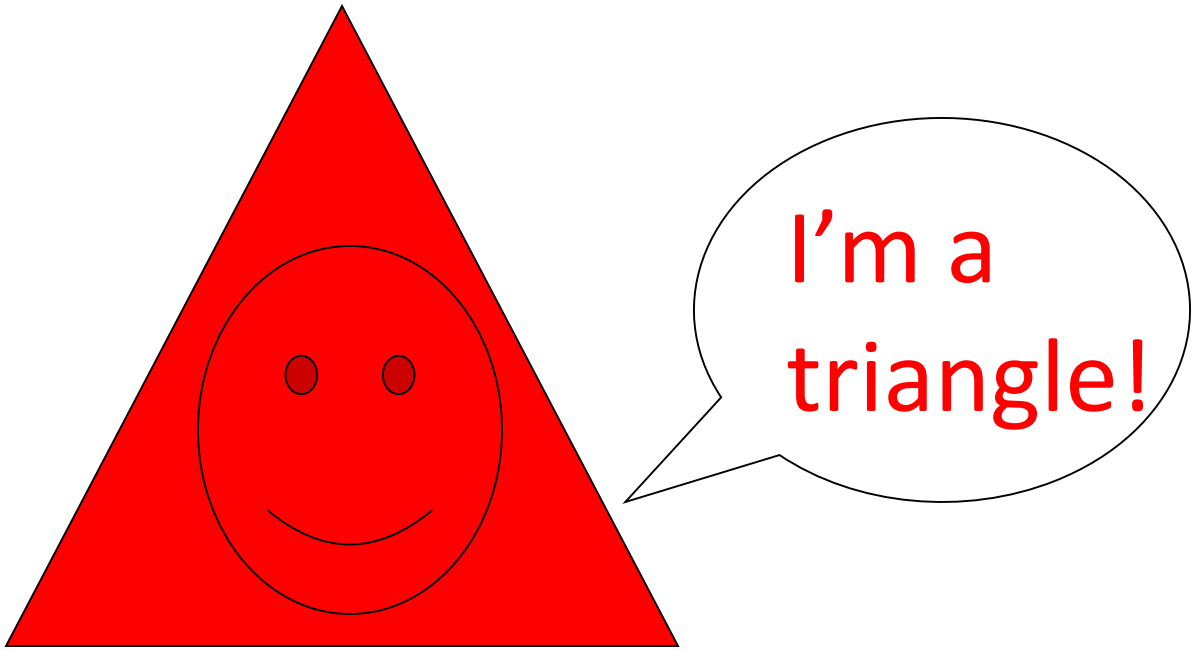
I am a flat shape.

I have 3 straight sides.

I have 3 vertices.



What shape am I?



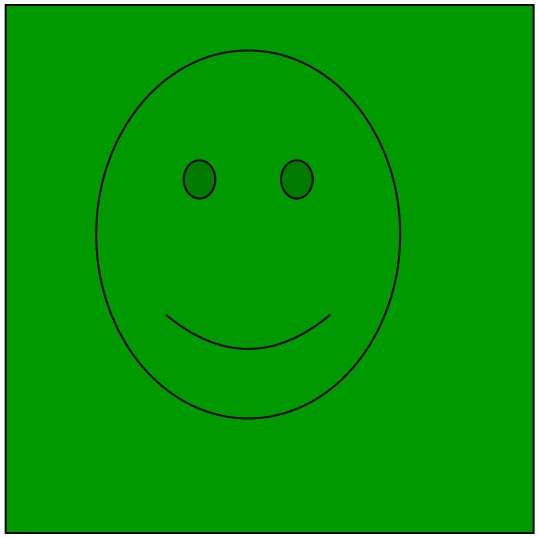
I am a flat shape.

I have 4 straight sides.

I have 4 vertices.

All my sides are the same length.

What shape am I?



I'm a square!

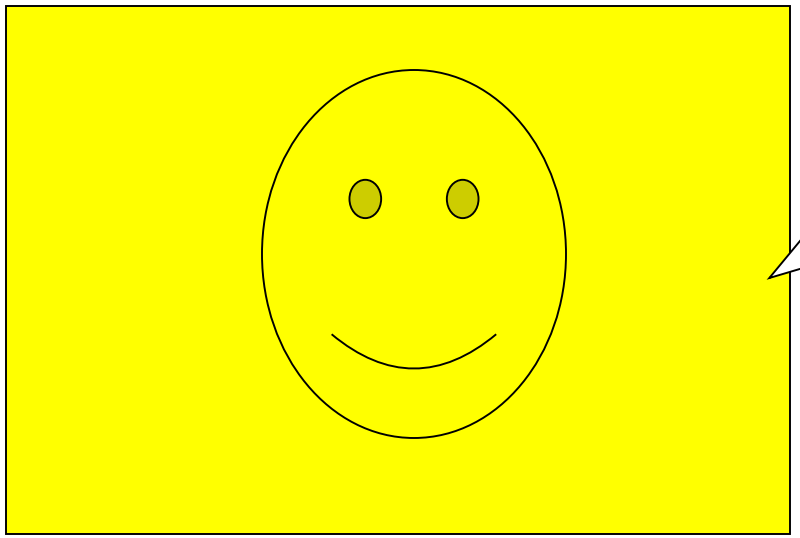
I am a flat shape.

I have 4 straight sides.

I have 4 vertices.

I have two short sides and two long sides.

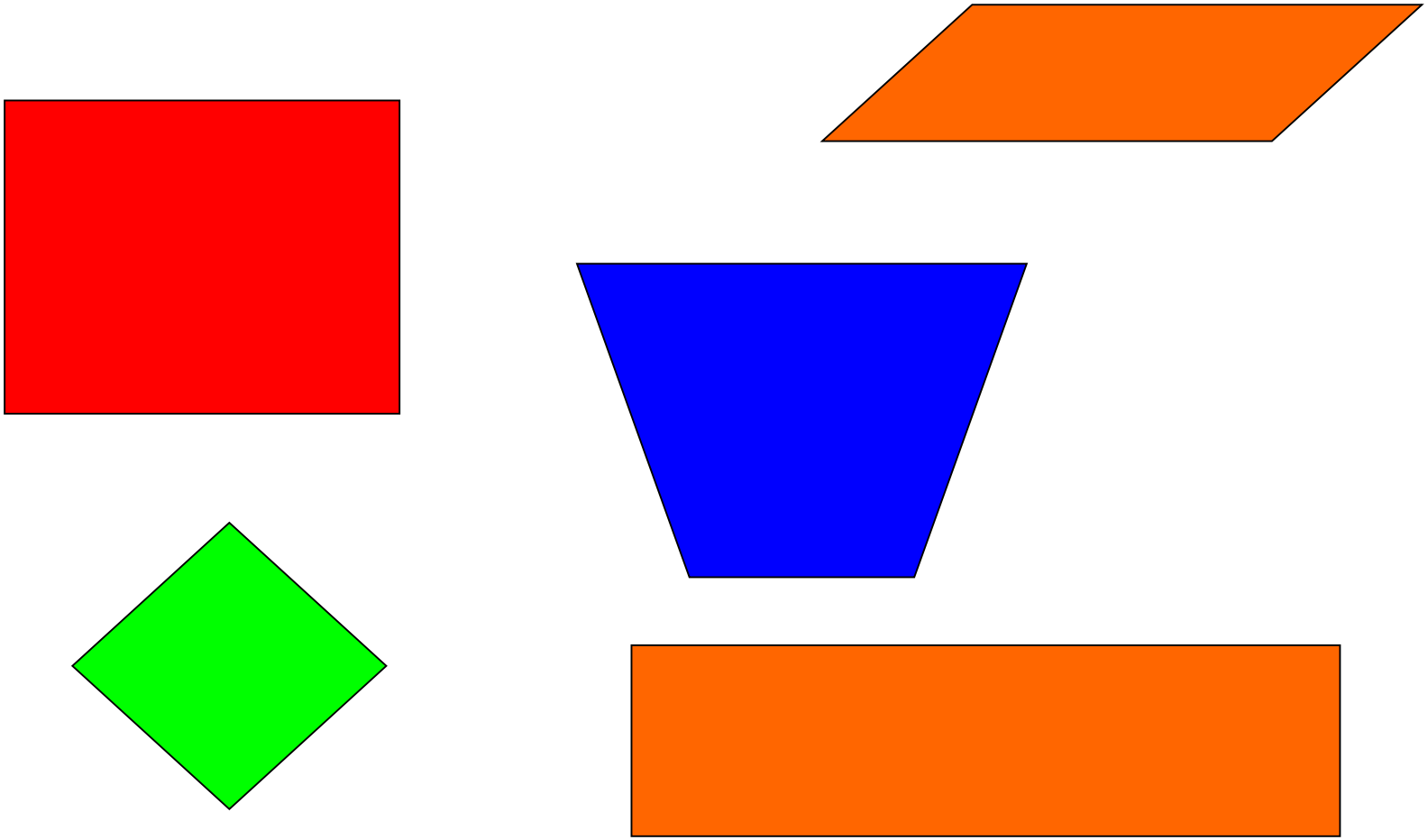
What shape am I?



I'm an rectangle

We are all quadrilaterals.

We all have 4 sides.

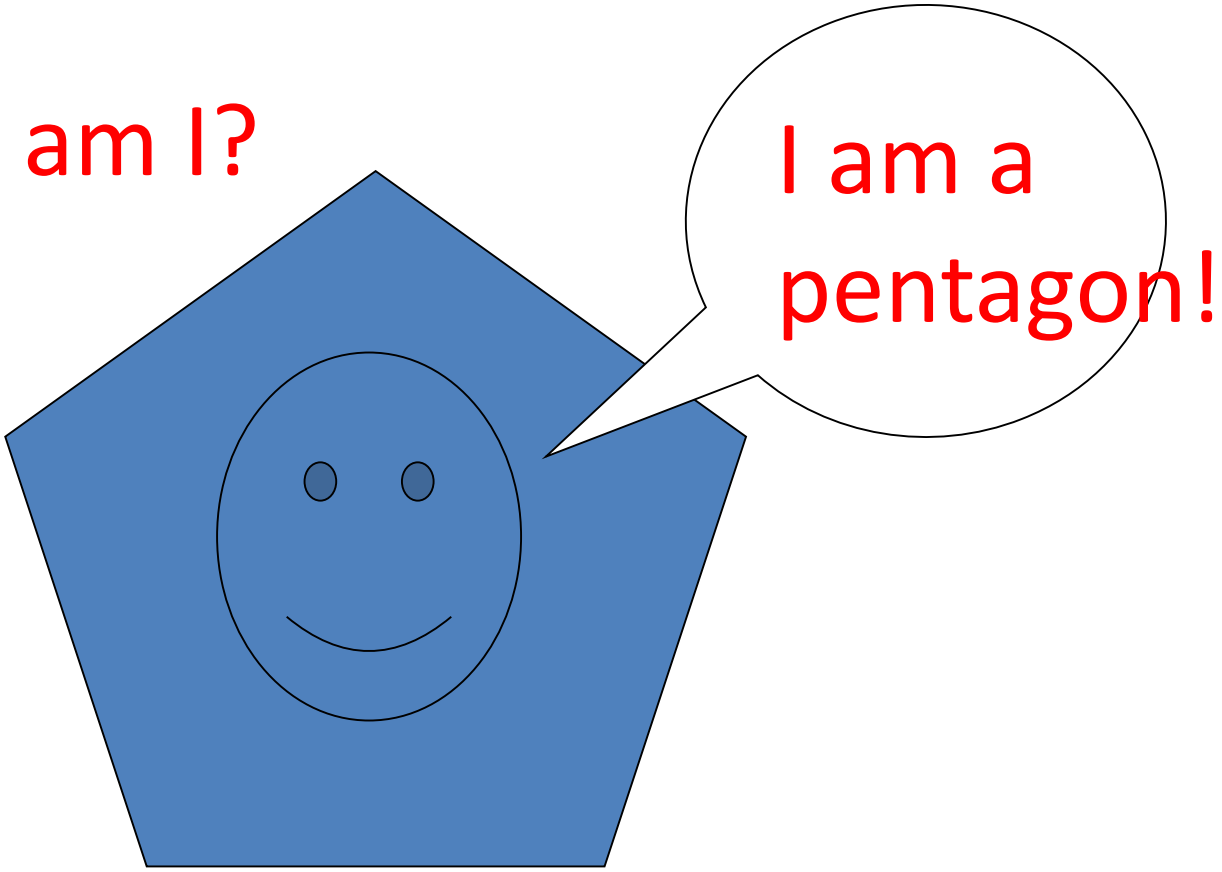


I am a flat shape.

I have 5 straight sides.

I have 5 vertices.

What shape am I?

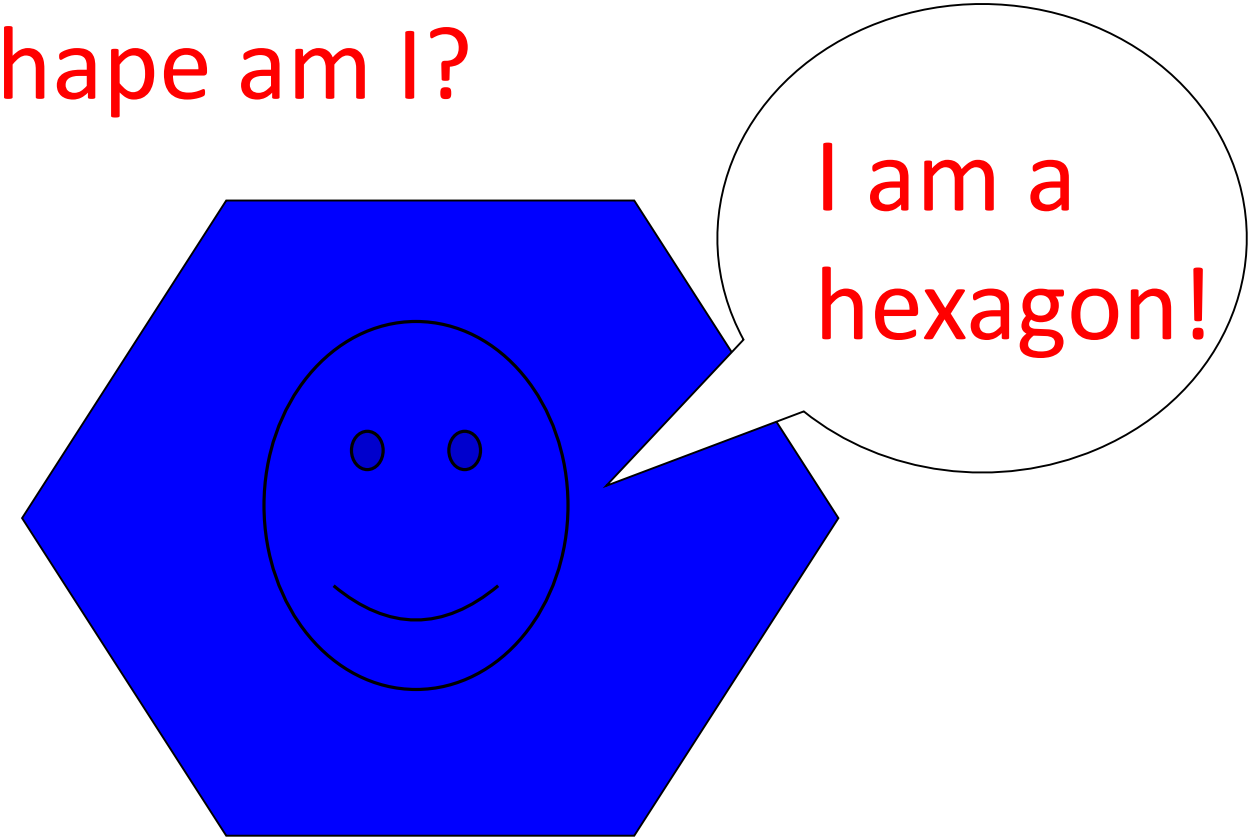


I am a flat shape.

I have 6 straight sides.

I have 6 vertices.

What shape am I?

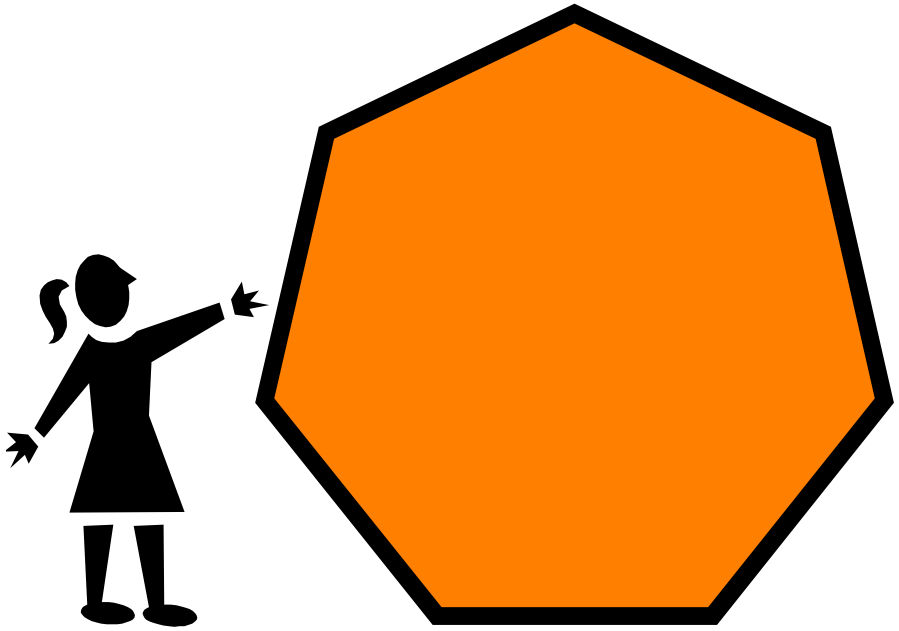


I am a flat shape.

I have 7 straight sides.

I have 7 vertices.

What shape am I?



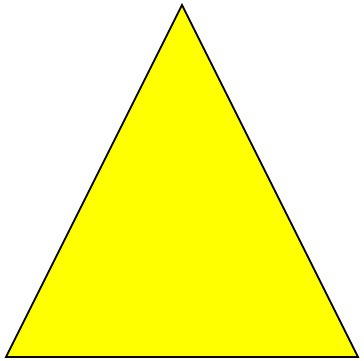
I am an heptagon!

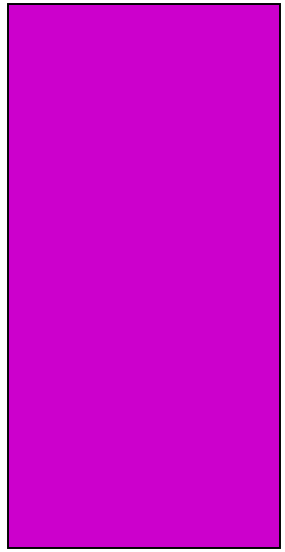
I am a flat shape.

I have 8 straight sides.

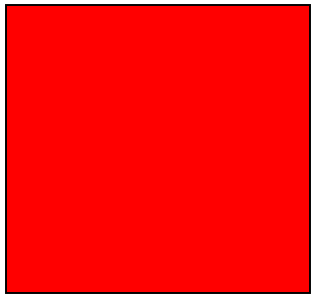
I have 8 vertices.

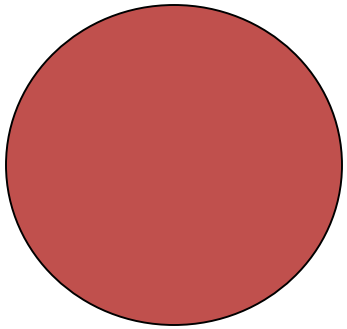
What shape am I?



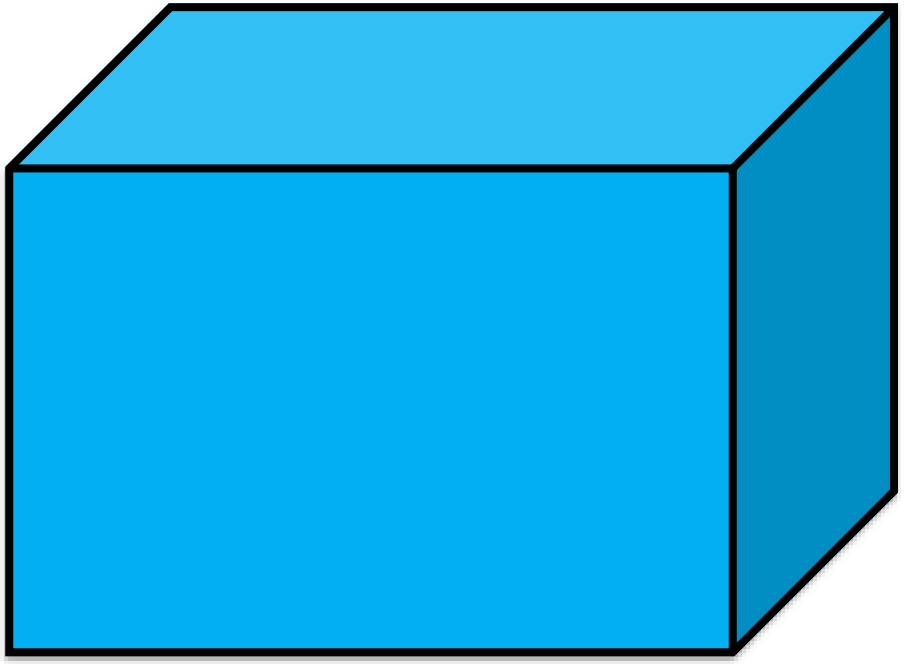


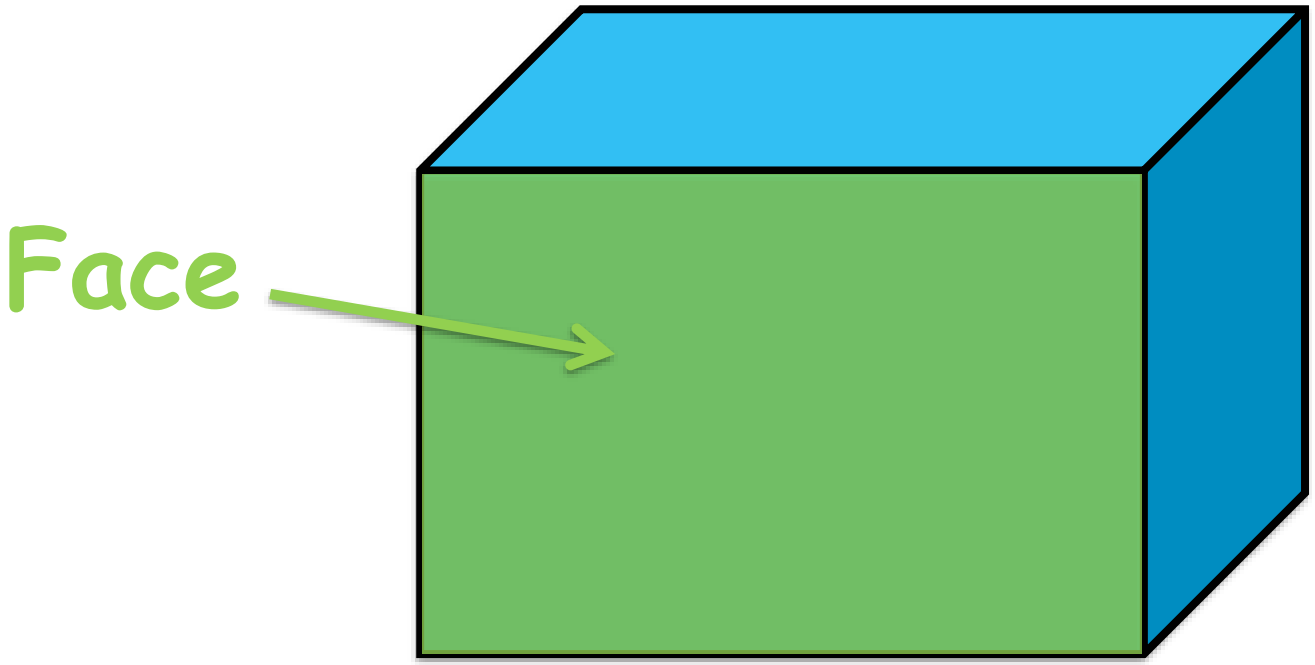
WELL DONE



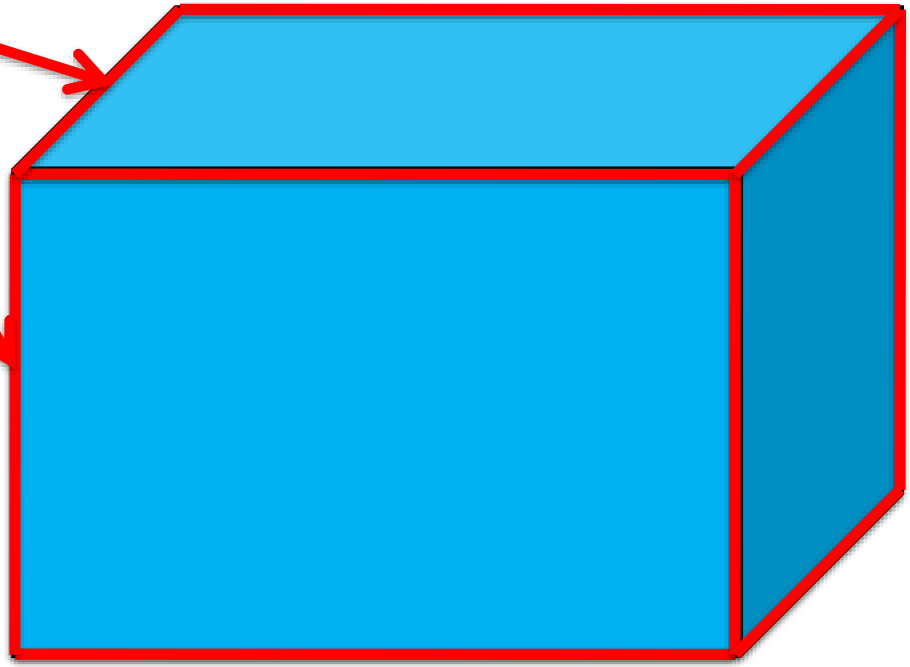


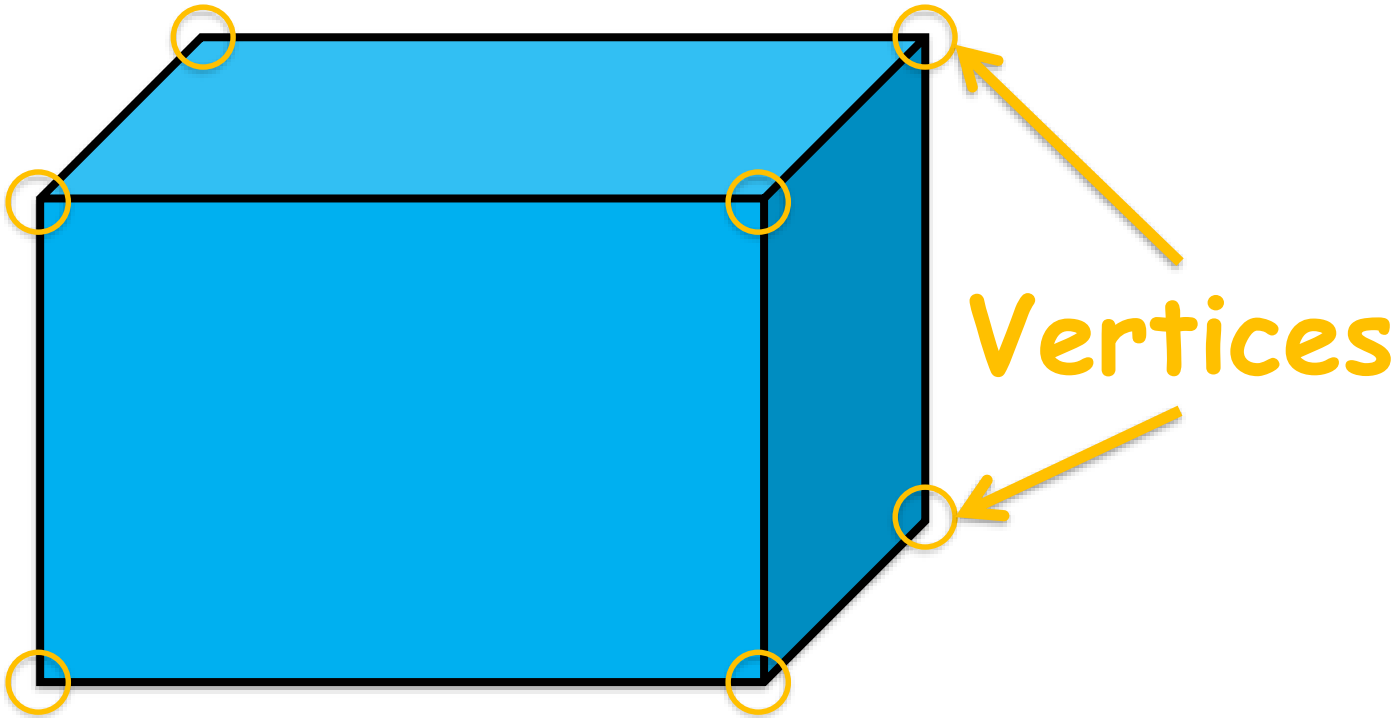
What properties does a 3D SHAPE have ?

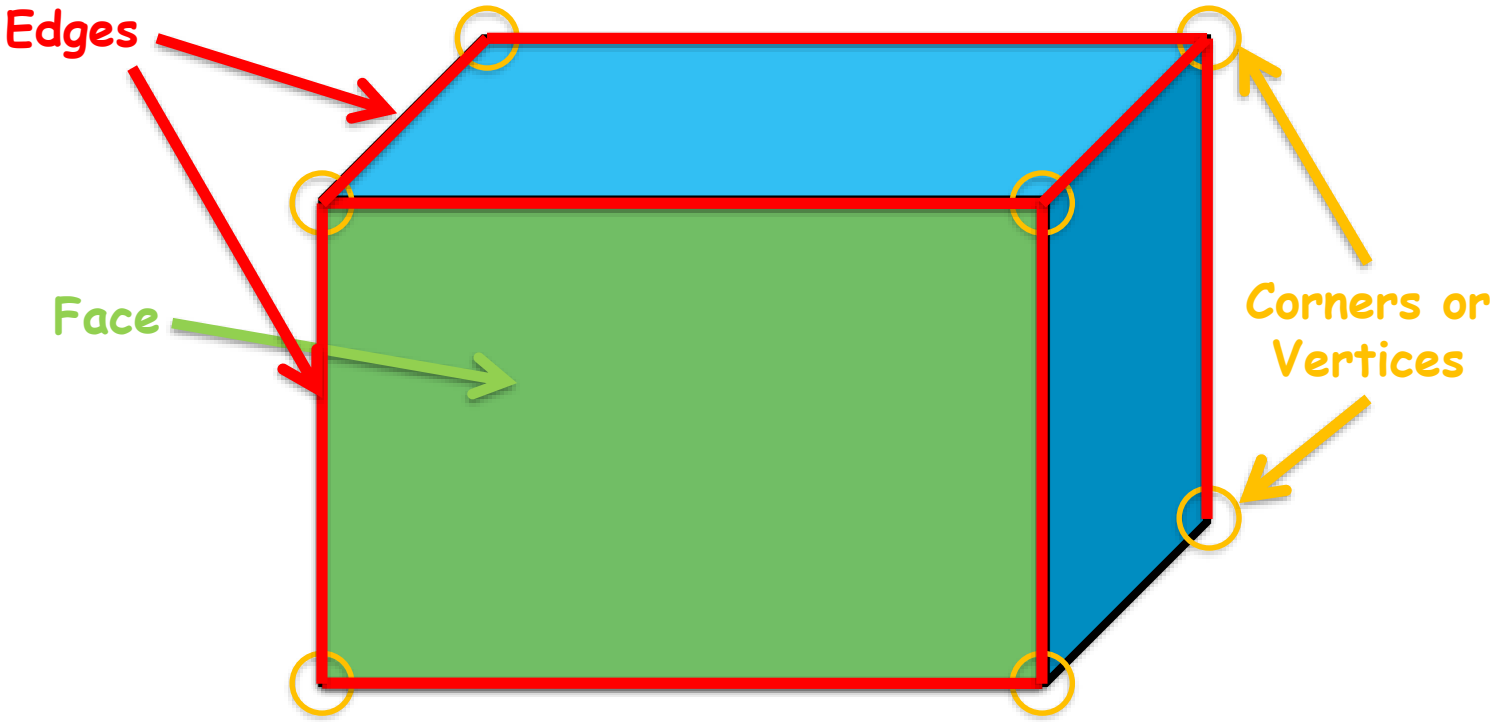


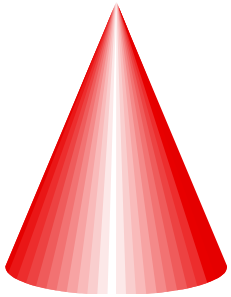

Face

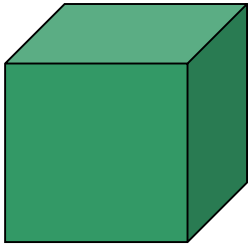
Edges

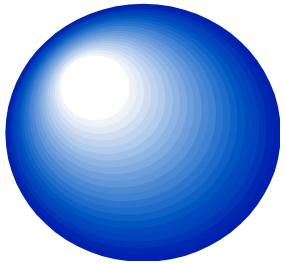



Vertices

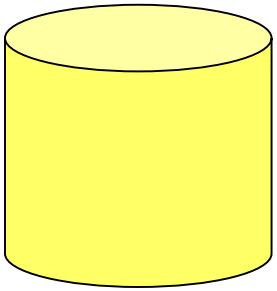

Edges
Face
Corners or
Vertices

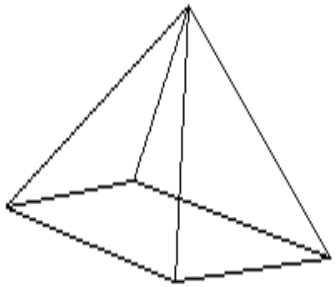


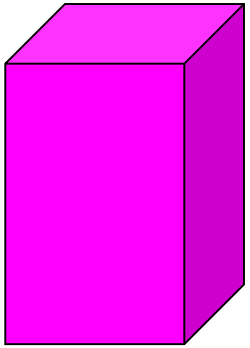




Can you guess the shape?





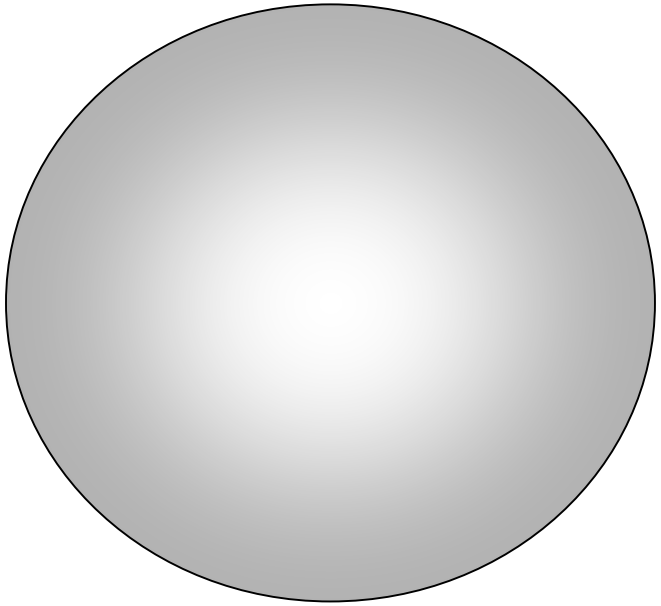


I have no flat faces .

I have no straight edges.

I have just one curved face.

What shape am I?

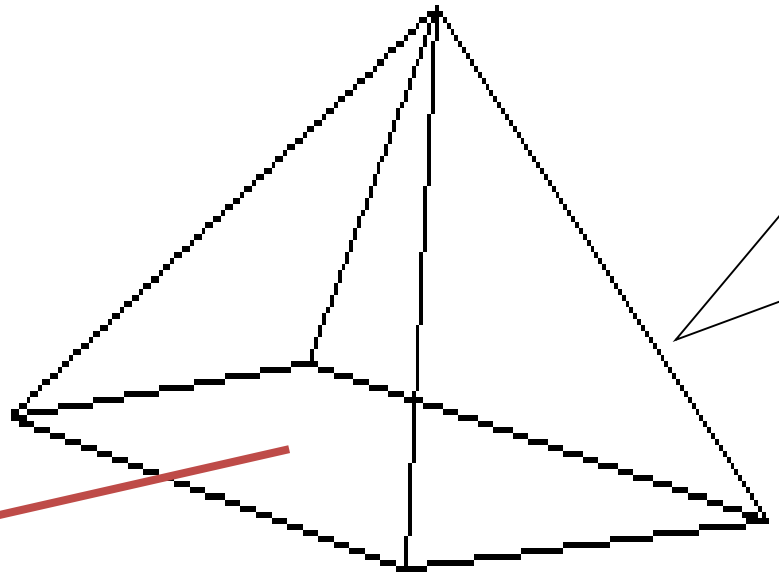


I'm a **Sphere !**

I have 4 triangle flat faces .

I have 1 square faces .

What shape am I?



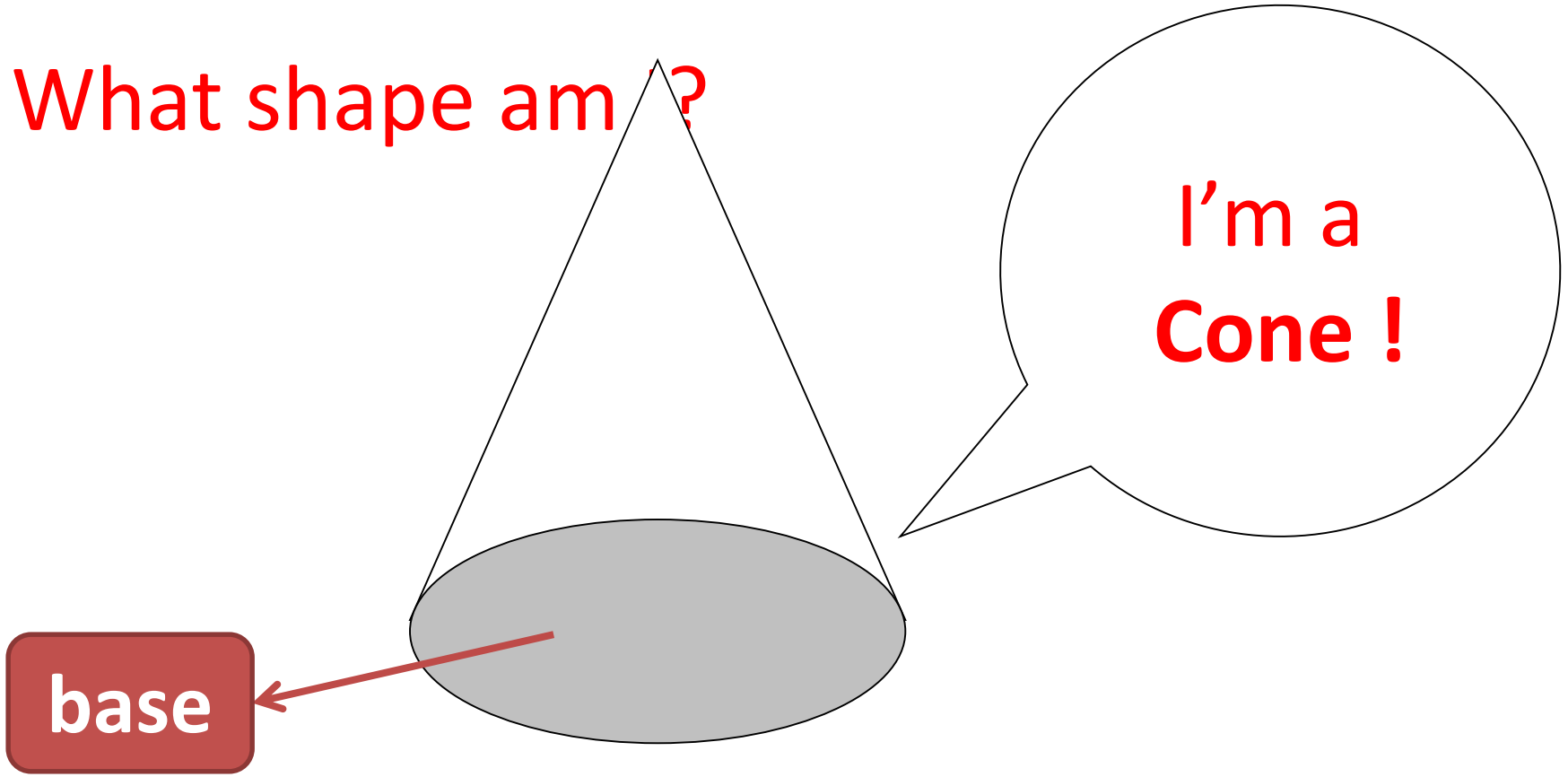
I'm a **square-based pyramid !**

base

I have one curved face and one flat face.

My flat face is a circle.

What shape am I?

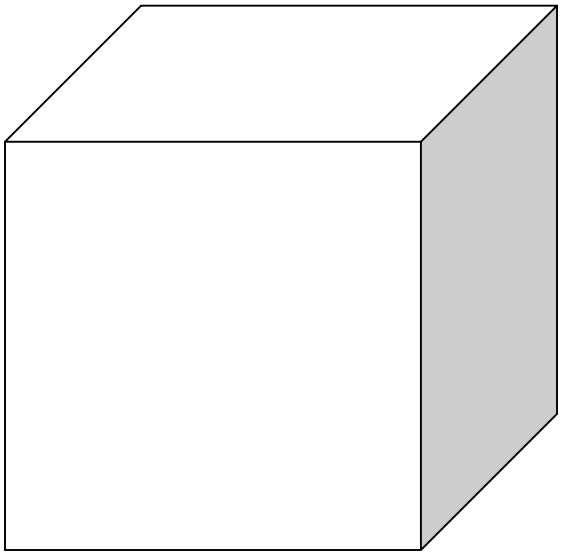


I have 6 flat square faces .

I have 12 straight edges.

I have 8 vertices.

What shape am I?



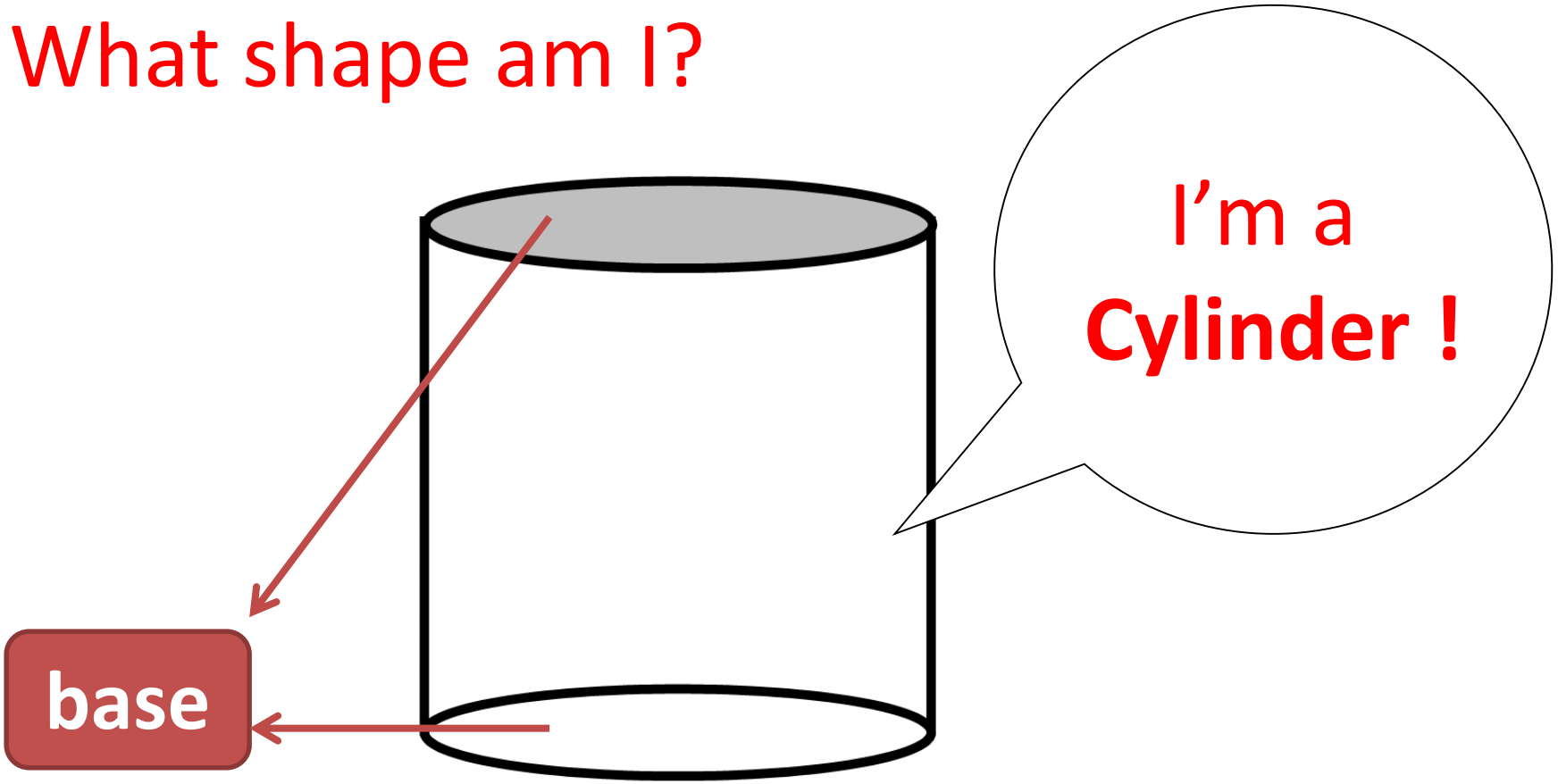
I'm a **Cube !**

I have 2 flat circular faces.

I have no straight edges.

I have one curved face.

What shape am I?

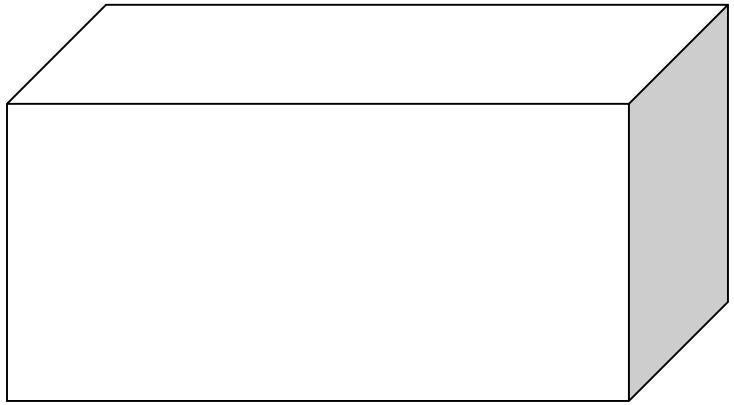


I have 6 flat faces; 2 are squares and 4 are rectangles.

I have 12 straight edges.

I have 8 vertices.

What shape am I?



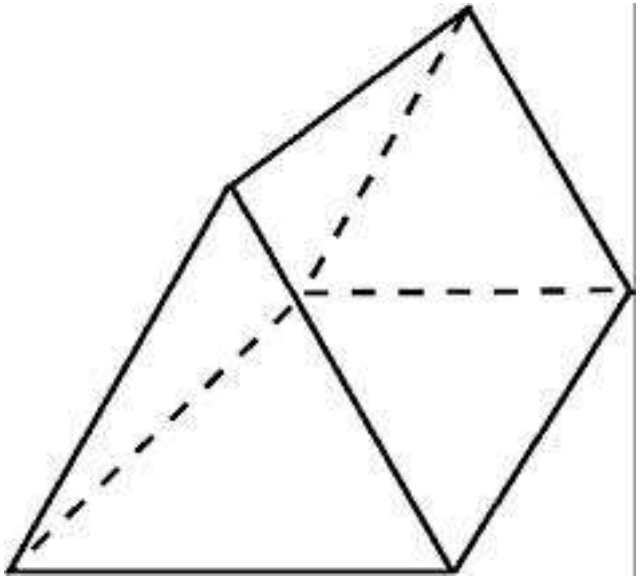
I'm a **Cuboid !**

I have 5 flat faces; 2 are triangles and 3 are rectangles.

I have 9 straight edges.

I have 6 vertices.

What shape am I?



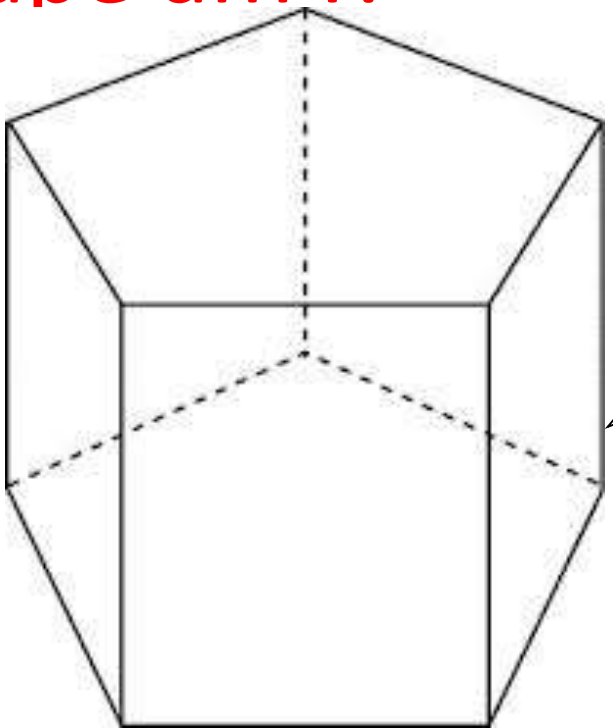
I'm a **Triangular Prism !**

I have 7 flat faces; 2 are pentagons and 5 are rectangles.

I have 15 straight edges.

I have 10 vertices.

What shape am I?



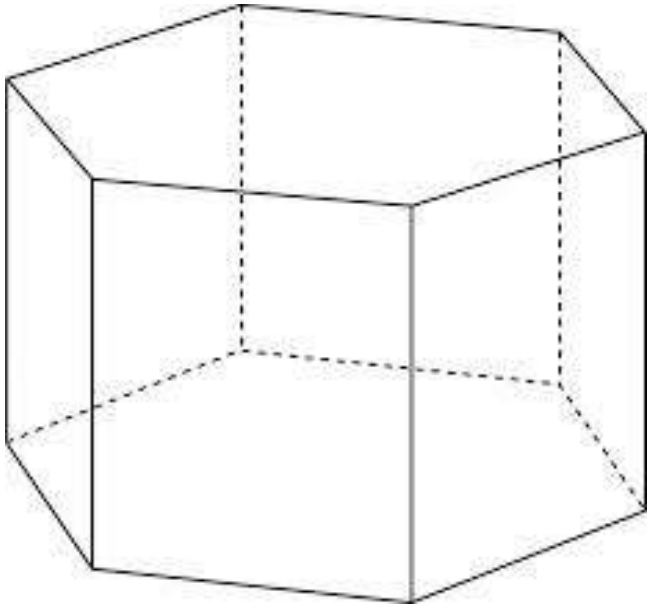
I'm a **Pentagonal Prism !**

I have 8 flat faces; 2 are hexagons and 6 are rectangles.

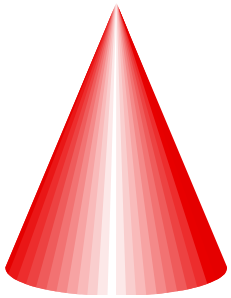
I have 18 straight edges.

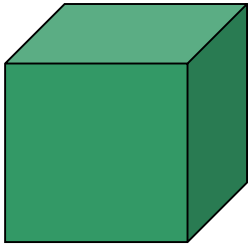
I have 12 vertices.

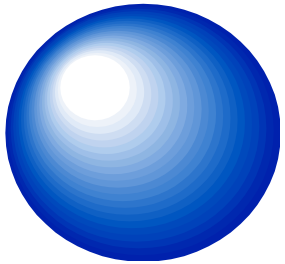
What shape am I?



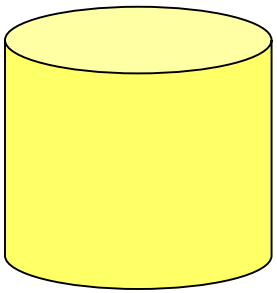
I'm a **Hexagonal Prism !**

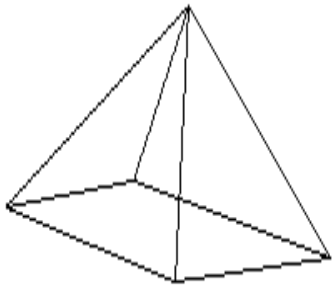


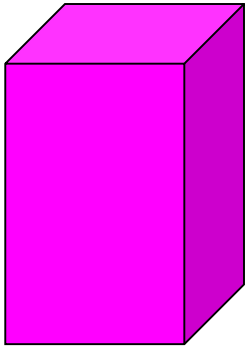




WELL DONE







Finish this TABLE of PROPERTIES of SHAPES

Shape	***2D or 3D***	***Number of Sides/ Edges***	***Number of Vertices***	***Number of Faces***

Work on **<u>Worksheet 1</u>** in group

SORTING SHAPES

Find shapes that match a property

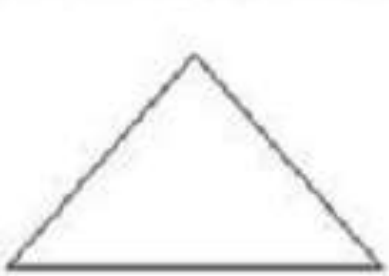
Work on **Worksheet 2** in pair

“Sort different types of 2D shapes”

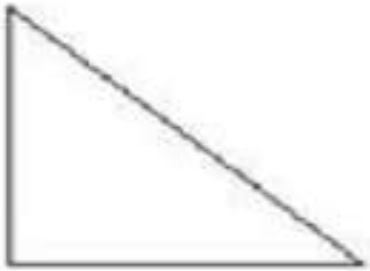
Find the ODD ONE OUT

- One of the shapes does not belong in this set.
- Find the odd one out.
- Explain how you found it.

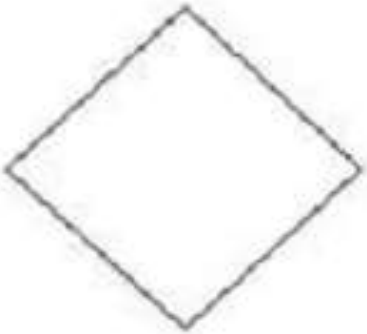
Example:



A



B



C

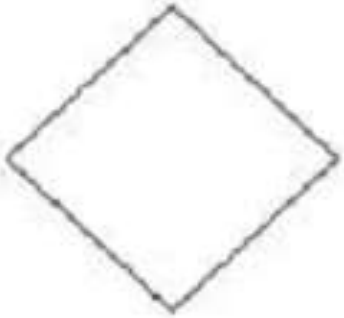
D

C **does not belong in this set because** A, B and D has 3 sides **but** C has 4 sides.

…. does not belong in this set because ..... **but** .....

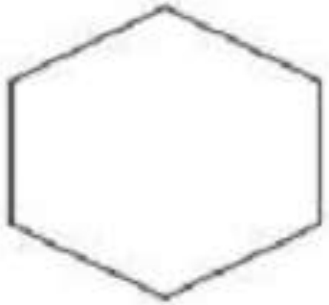
Question 1

A



B

C



D

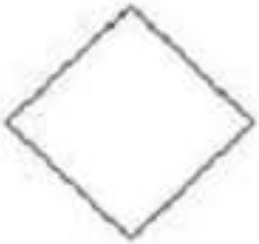
D does not belong in this set because

A, B and C have 4 sides but D has 6 sides

sides

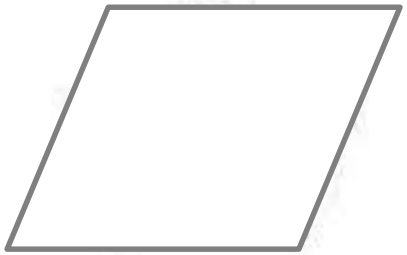
vertices

Question 2



A

B



C

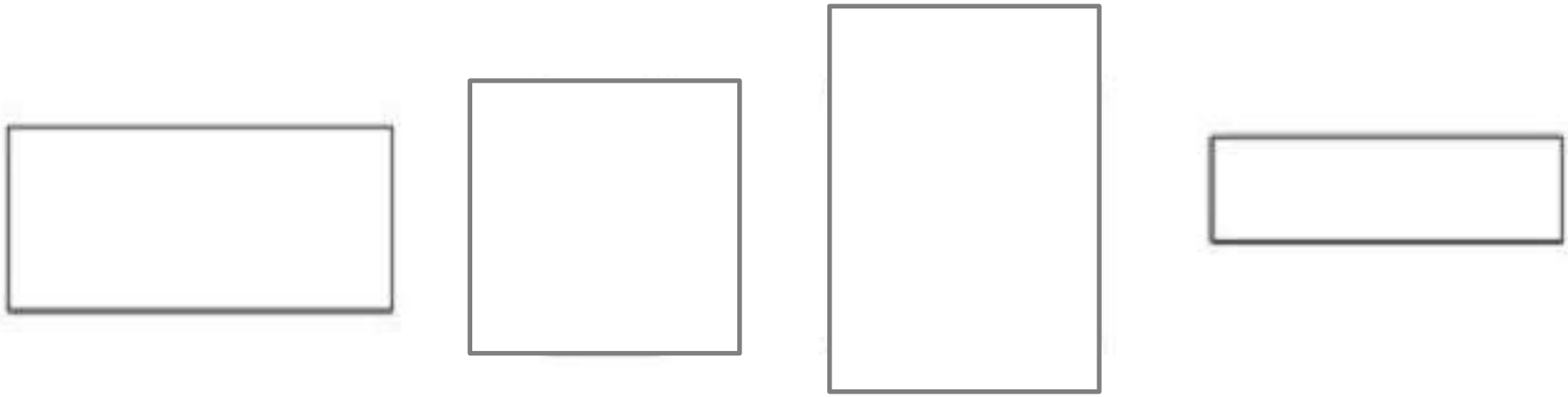
D

C ... does not belong in this set because

A, B and D have 3 right angles but C doesn't have right angles

right angles

Question 3



A B C D

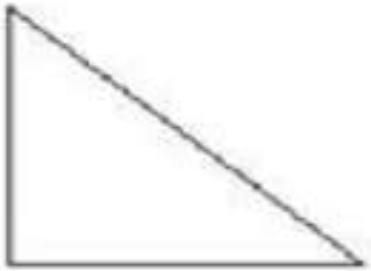
B does not belong in this set because

A, C and D are rectangles but B is square

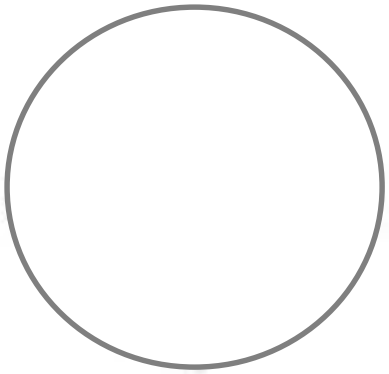
types of shape

Question 4

A



B



C

D

C does not belong in this set because

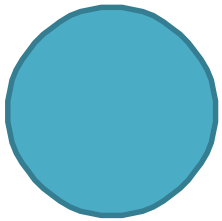
A, B and D have straight sides but C has curved side

straight and curved side

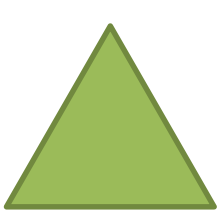
Work on **Worksheet 3** in pair

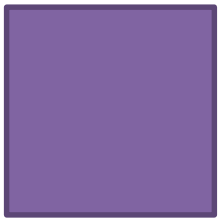
“Odd one out 2D shapes”

Sort shapes using different criteria

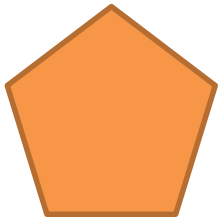


Sort shapes using 2 criteria.



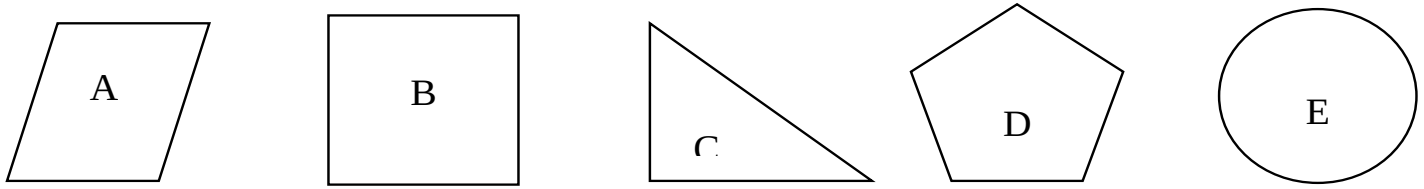


Sort shapes using 4 criteria



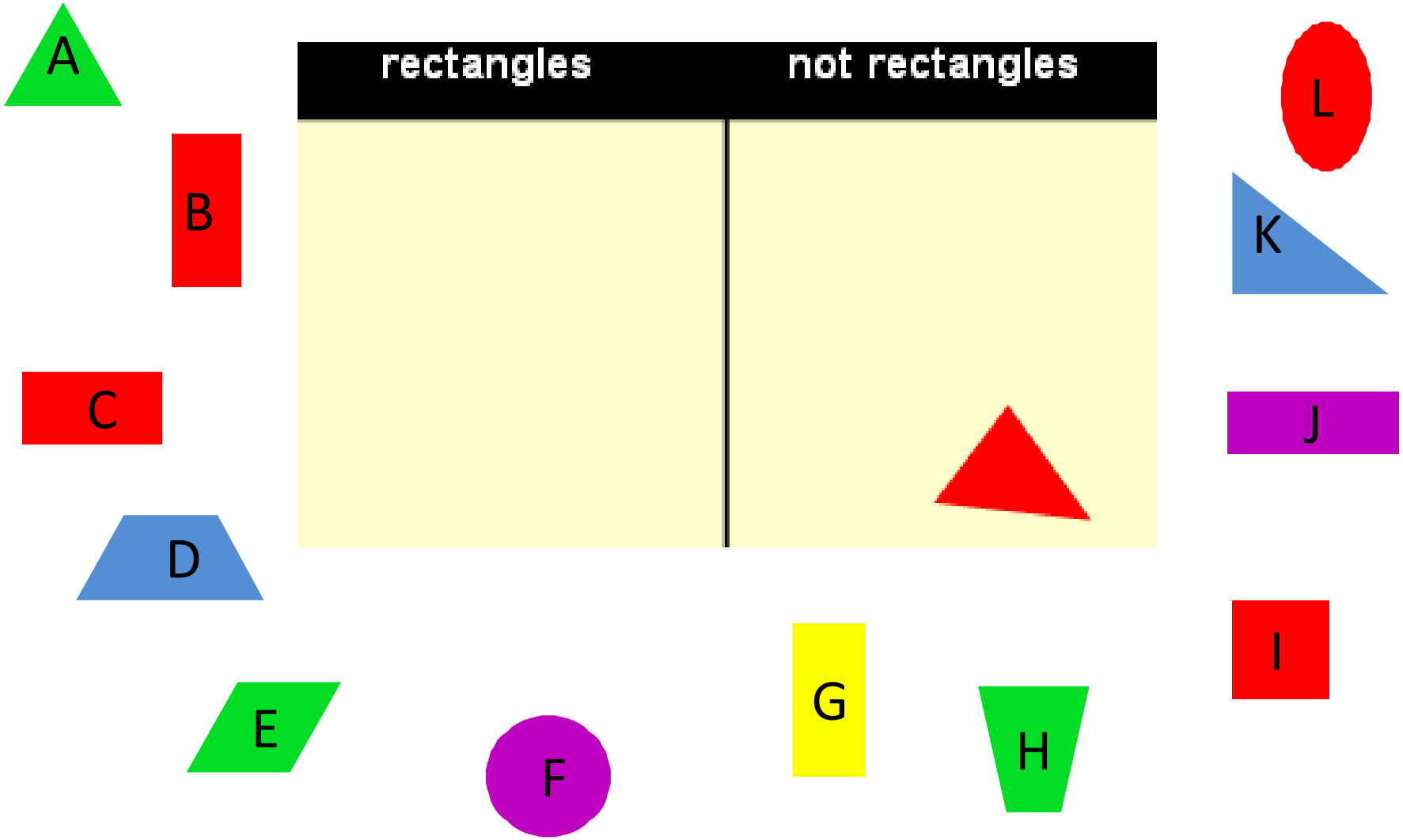
Choose your own criteria to sort shapes.

Example:

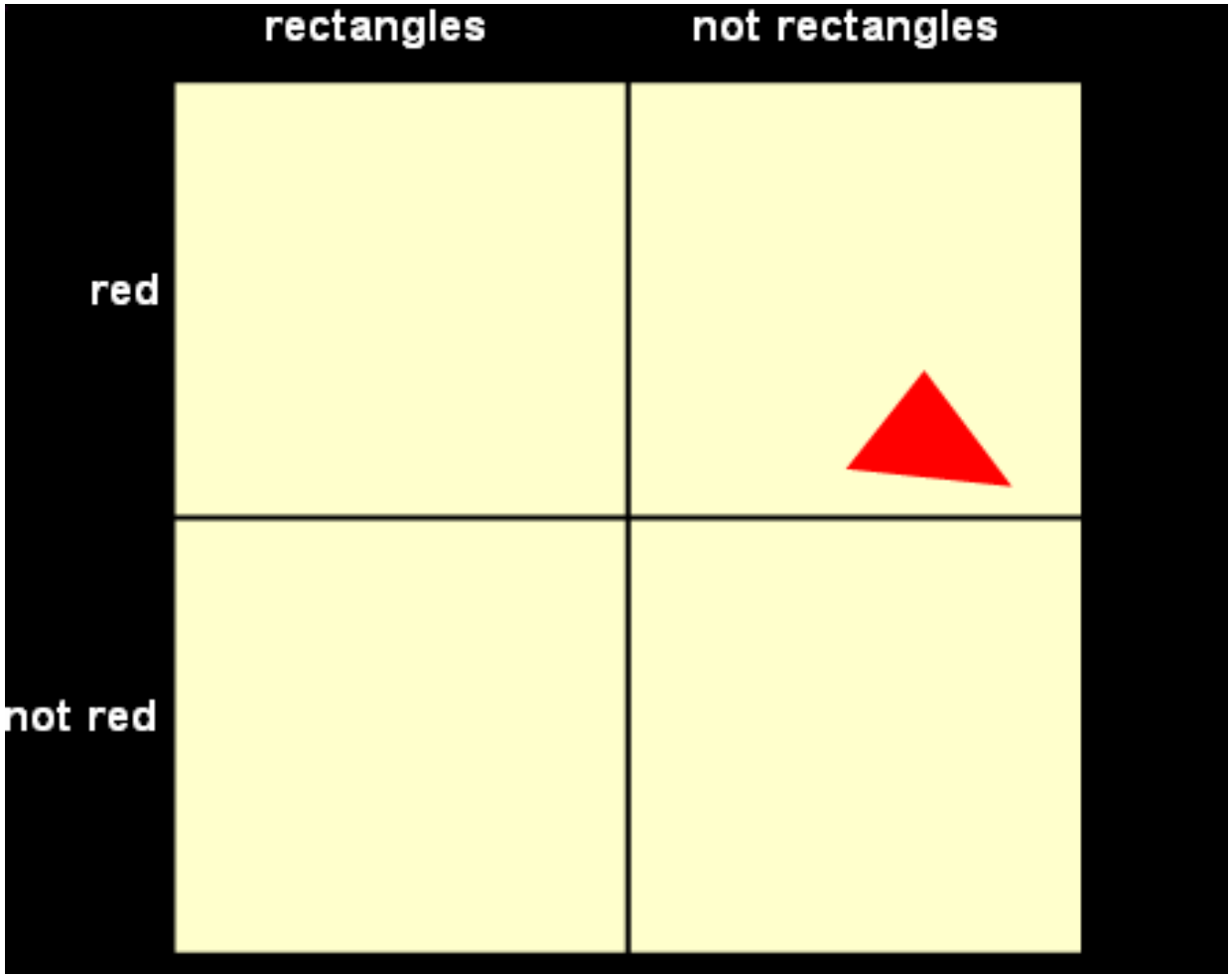


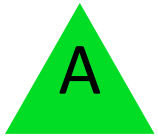
These shapes have 4 sides	These shapes do not have 4 sides
A B ↓ quadrilaterals	C D E

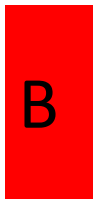
Sort shapes using 2 criteria.

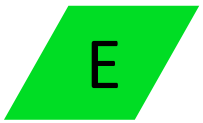


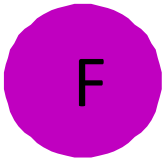
Sort shapes using 4 criteria.

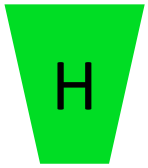


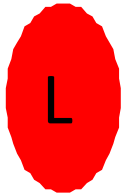












Choose your own criteria to sort shapes

A

B

C

D

E

F

G

N

M

L

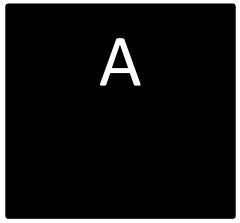
K

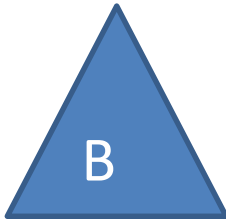
J

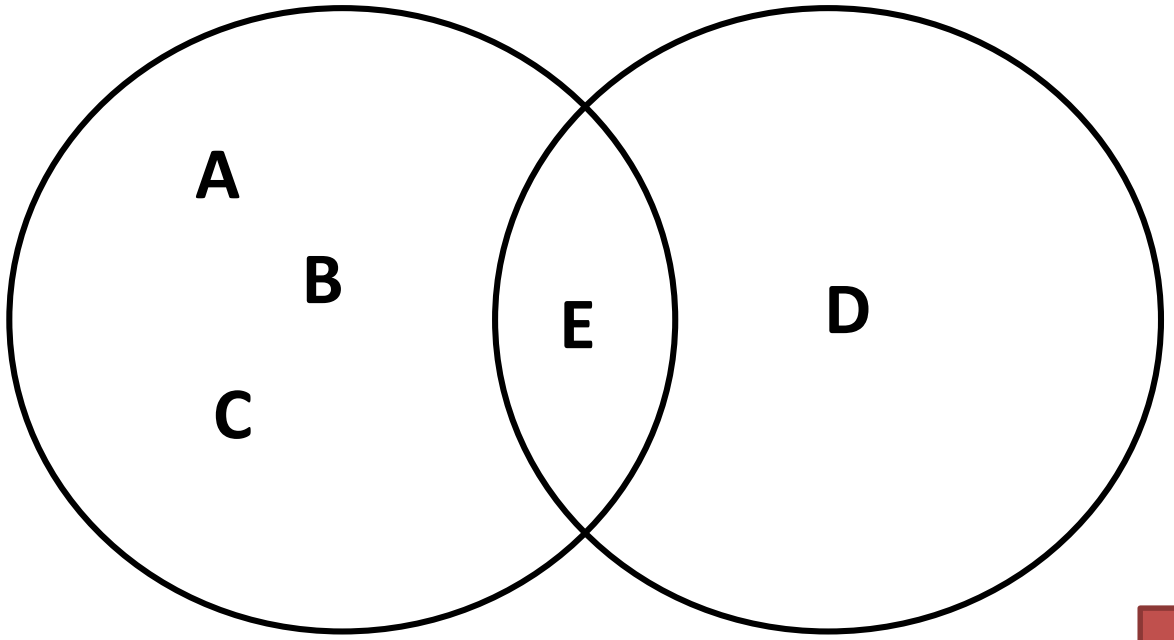
I

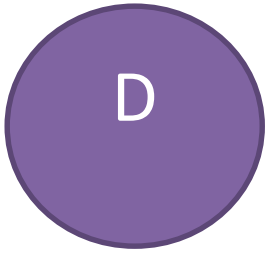
H

Straight and Curved Side

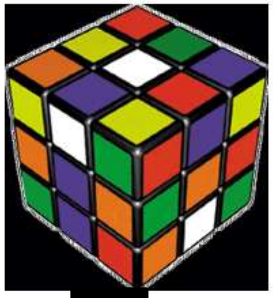








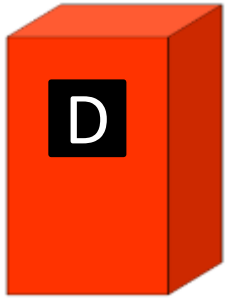
CHALLENGE



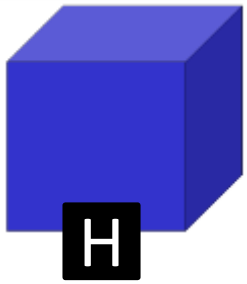
A

B

C

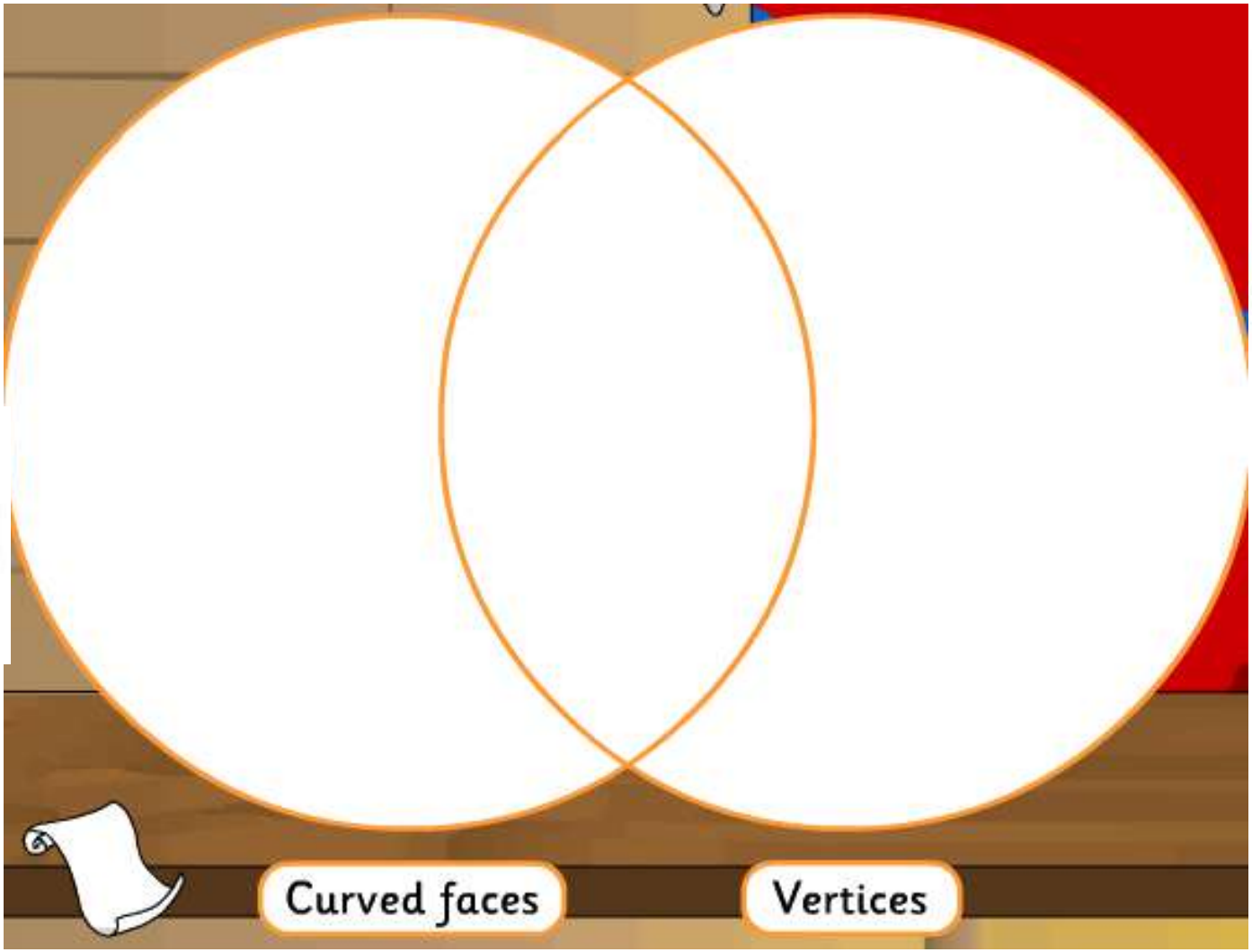


D



H

G

F

E