

# YEAR 2

## Properties of shape

- Recognise 2D and 3D shapes
- Count sides of 2D shapes
- Count vertices of 2D shapes
- Draw 2D shapes



PrimaryStars  
EDUCATION

Block 3 – Week 7

# Monday

# Short

# Lesson 1

Step: Recognise 2D and 3D shapes

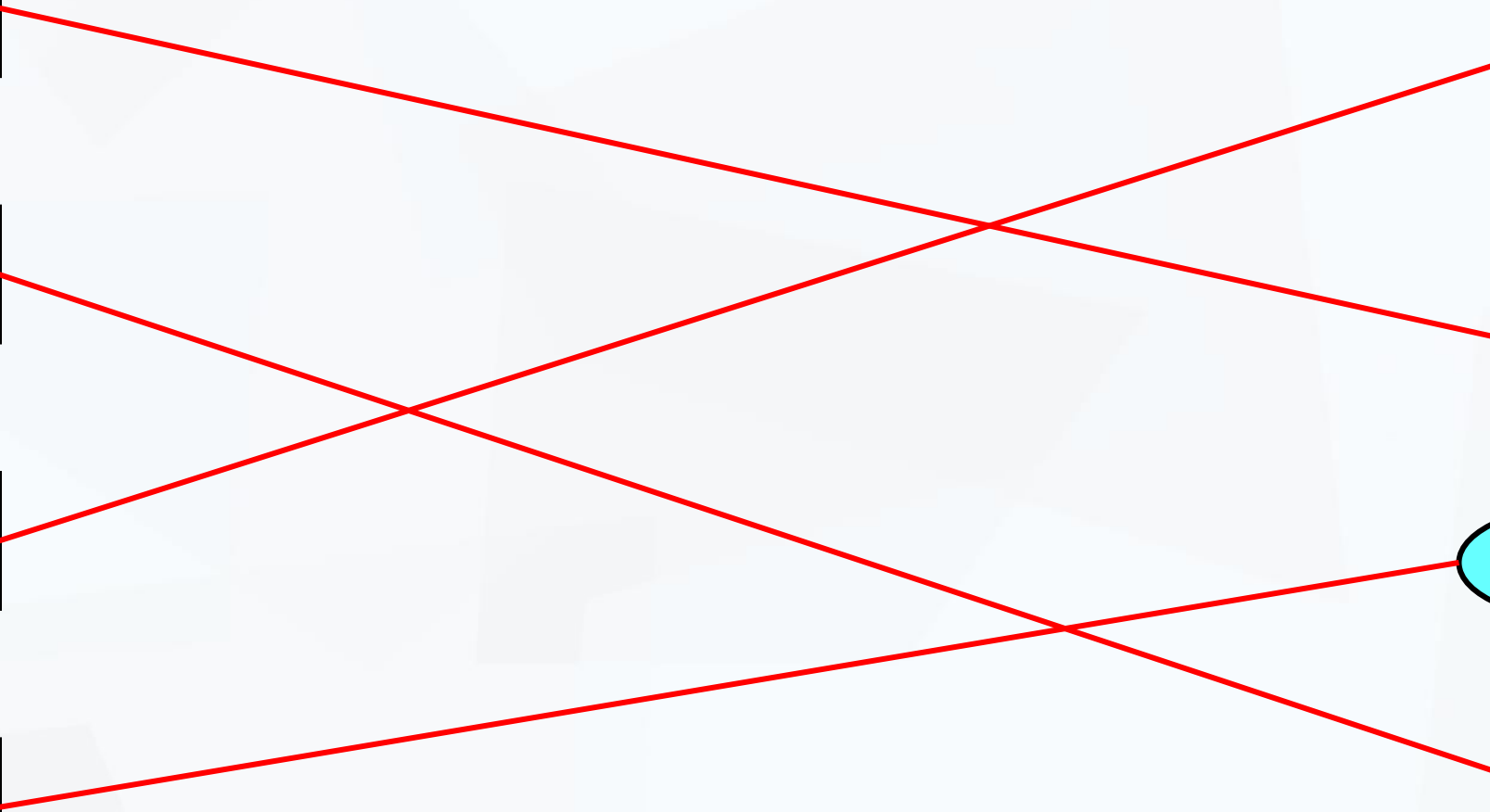
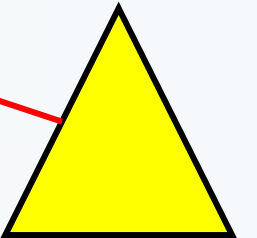
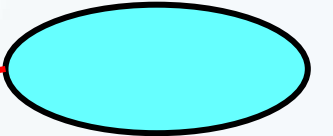
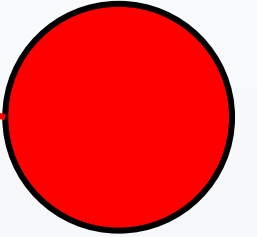
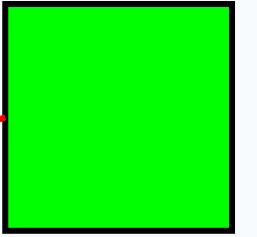
Match 2D shape to its name.

circle

triangle

square

oval



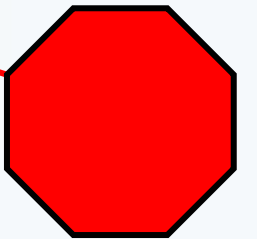
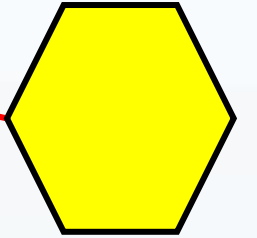
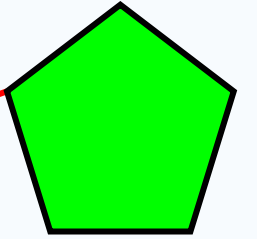
Match 2D shape to its name.

hexagon

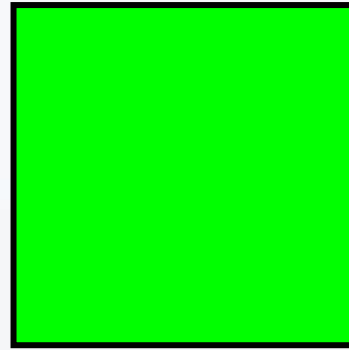
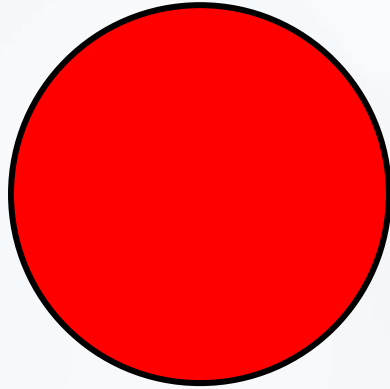
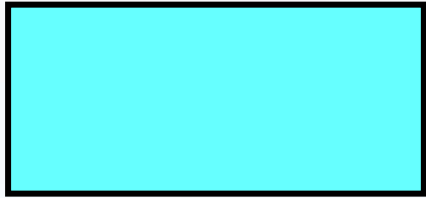
octagon

pentagon

rectangle



Name the 2D shapes.



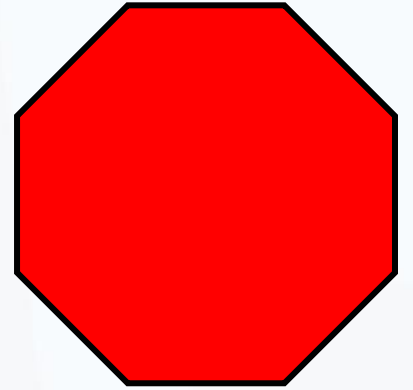
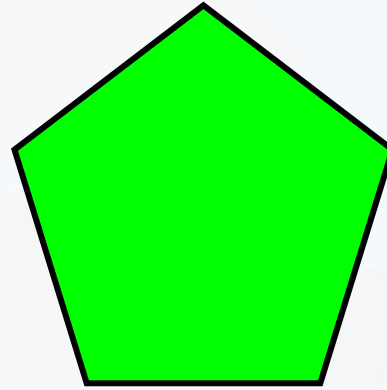
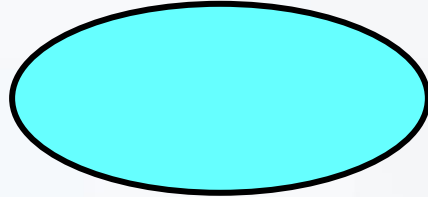
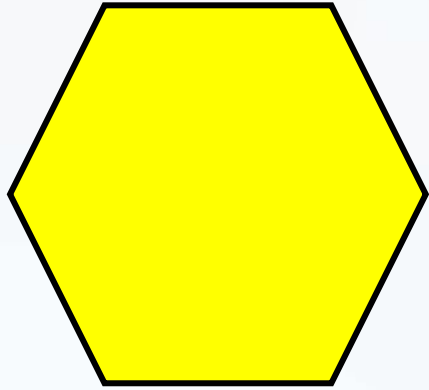
rectangle

circle

Square

triangle

Name the 2D shapes.



hexagon

oval

pentagon

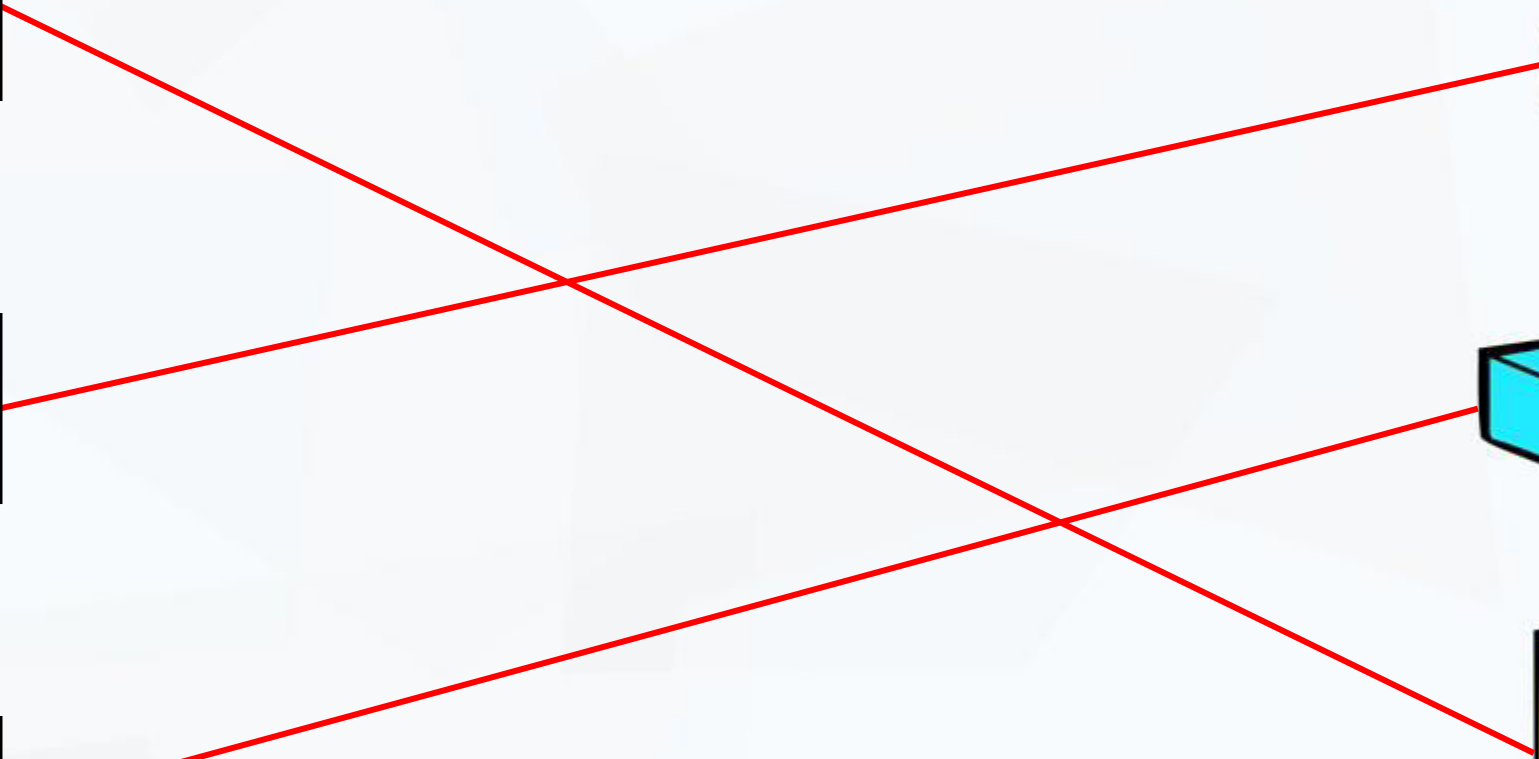
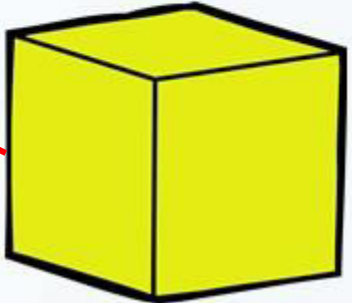
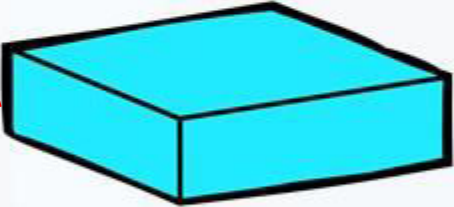
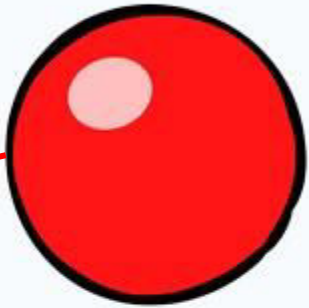
octagon

Match 3D shape to its name.

cube

sphere

cuboid

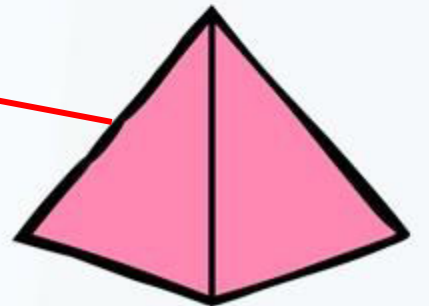
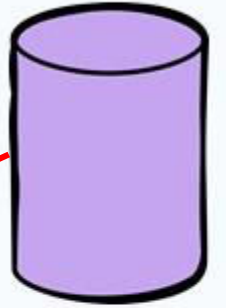


Match 3D shape to its name.

cone

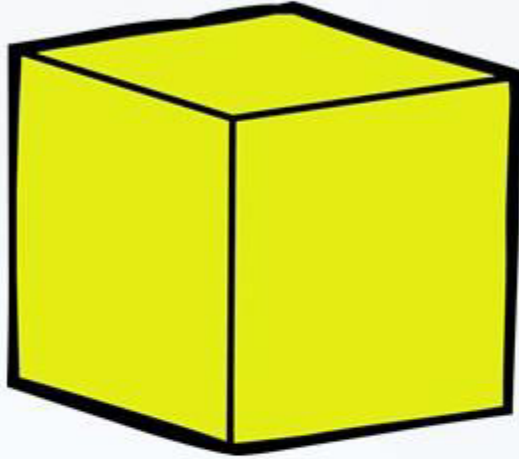
pyramid

cylinder





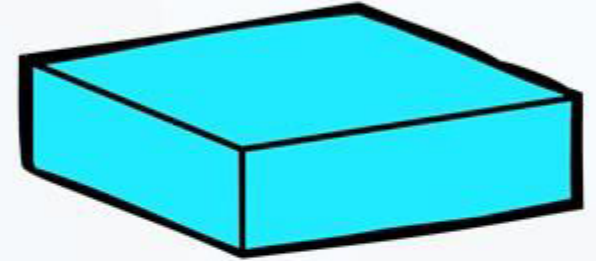
Name the 3D shapes.



cube

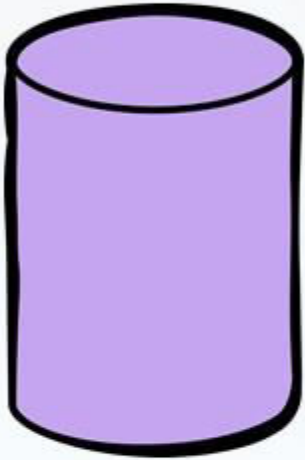


sphere



cuboid

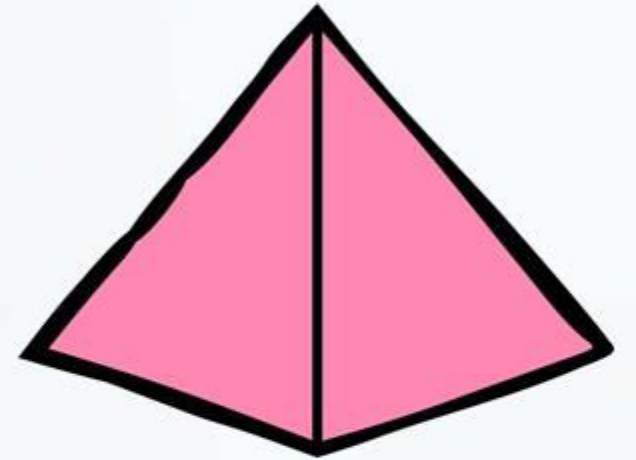
Name the 3D shapes.



cylinder

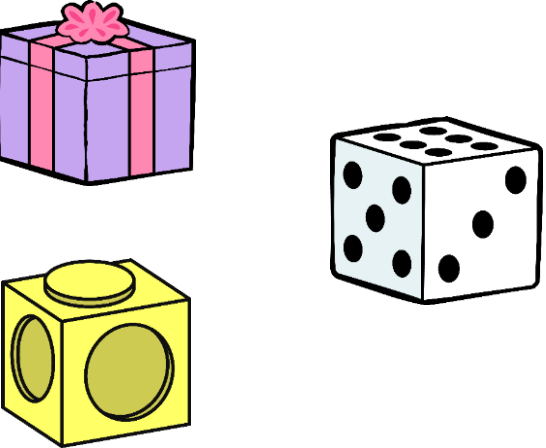
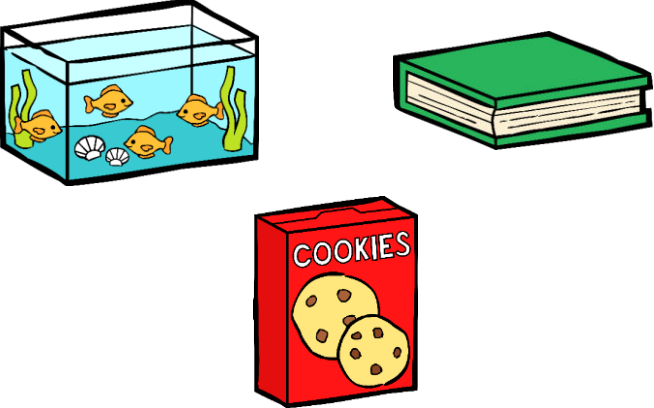
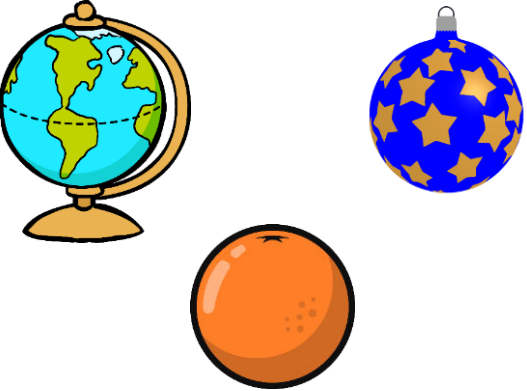



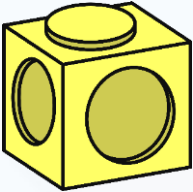
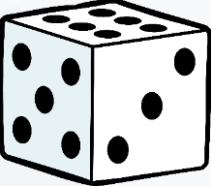

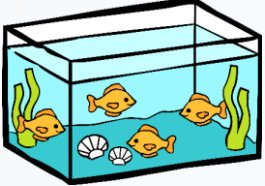




cone



pyramid

Put the objects under the correct heading.

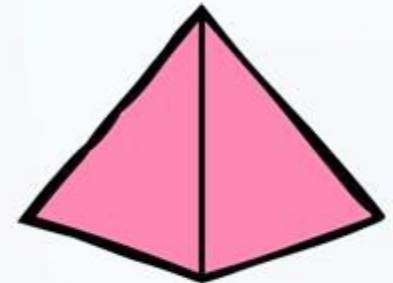
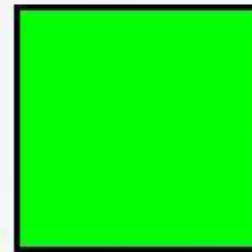
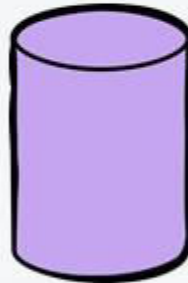
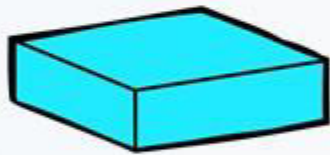
Cube	Cuboid	Sphere
		

a) 
 b) 
 c) 
 d) 
 e) 
 f) 
 g) 
 h) 
 i) 

Mo says,



The odd shape out is the square.

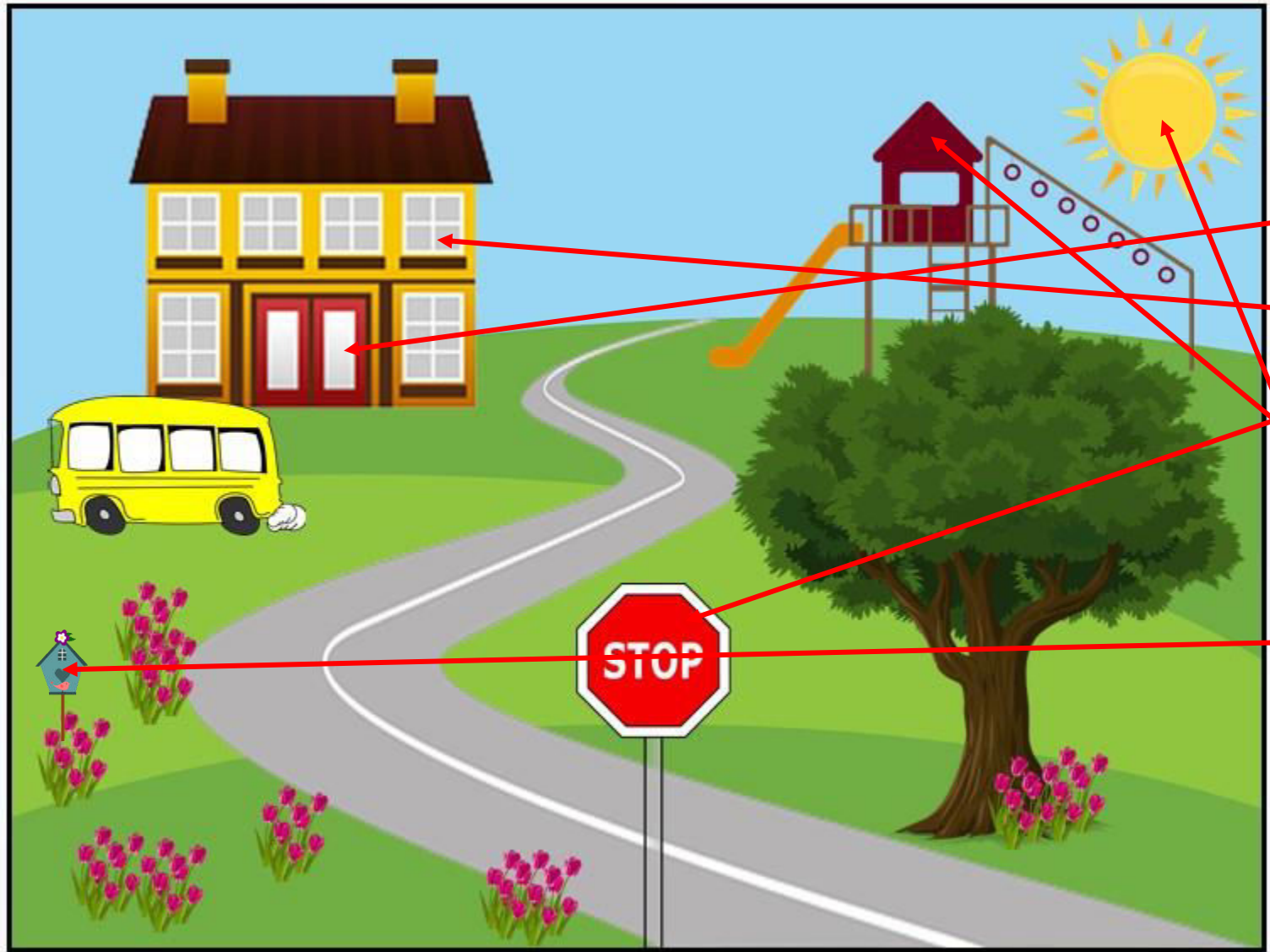


Is Mo correct?  
Explain your answer.

**Mo is correct.**

**All the shapes are 3D except for the square which is 2D.**

# Which 2D shapes can you see in the picture?



- Rectangles
- Squares
- Octagon
- Triangles
- Circles
- Pentagon

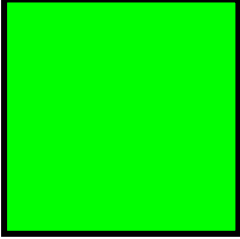
# Wednesday

# Short

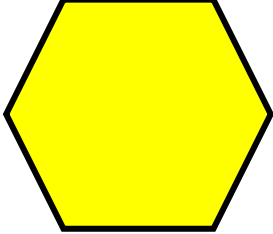
# Lesson 2

Step: Count sides of 2D shapes

Complete the table.

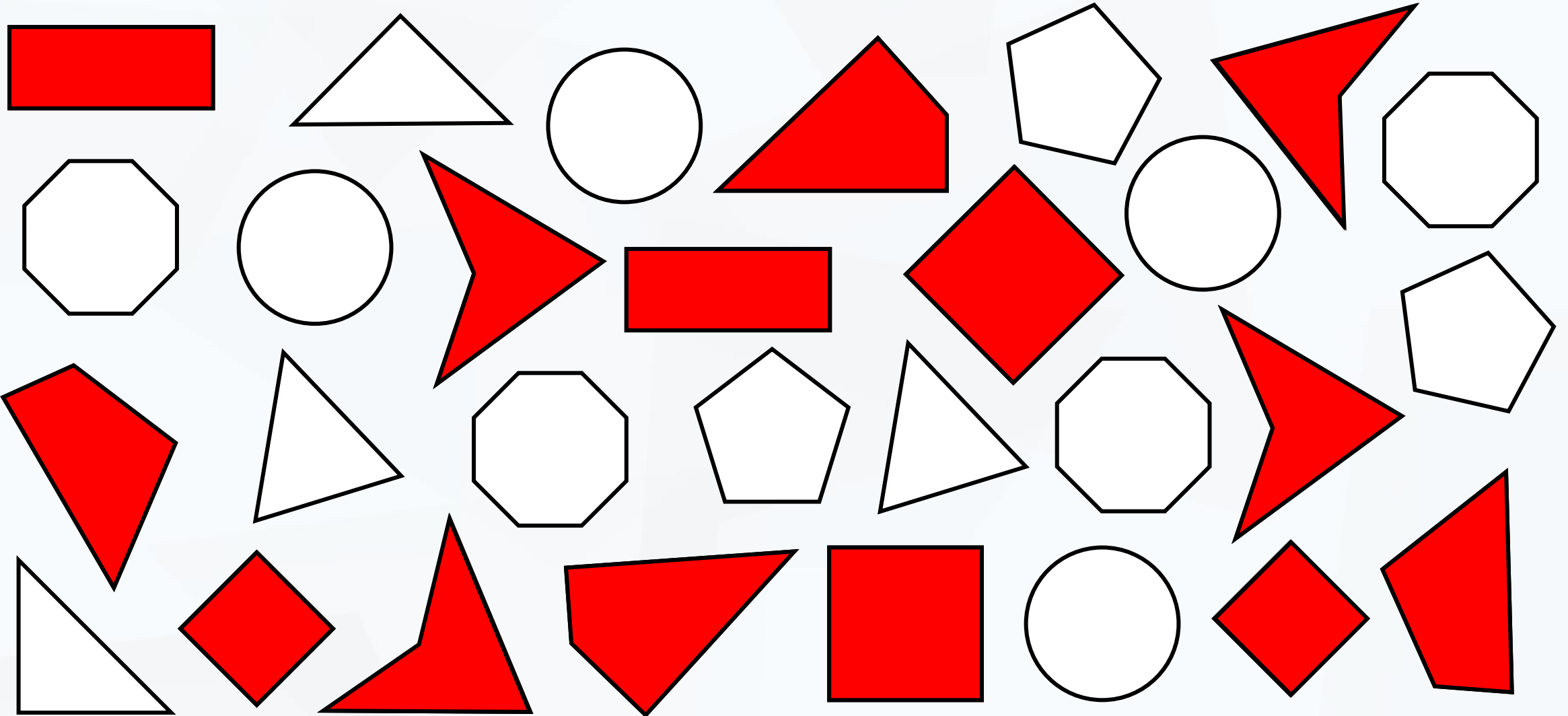
Name	Shape	Number of sides
Square		4

Complete the table.

Name	Shape	Number of sides
Hexagon		6



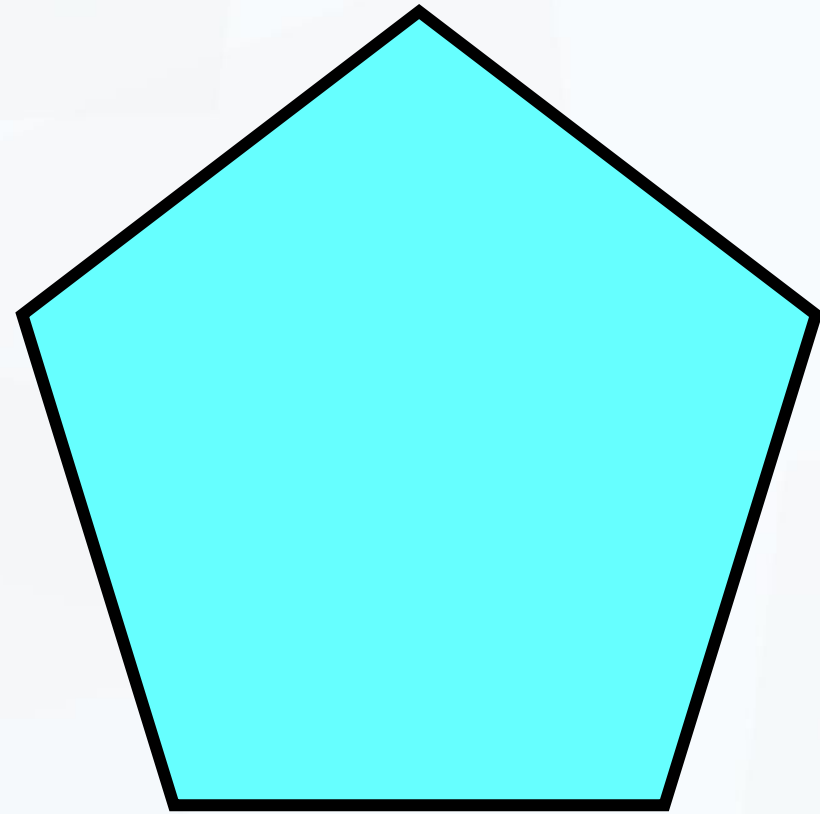
# Which shapes have 4 sides?



I am thinking of a shape.

I have 5 sides.

What shape am I?

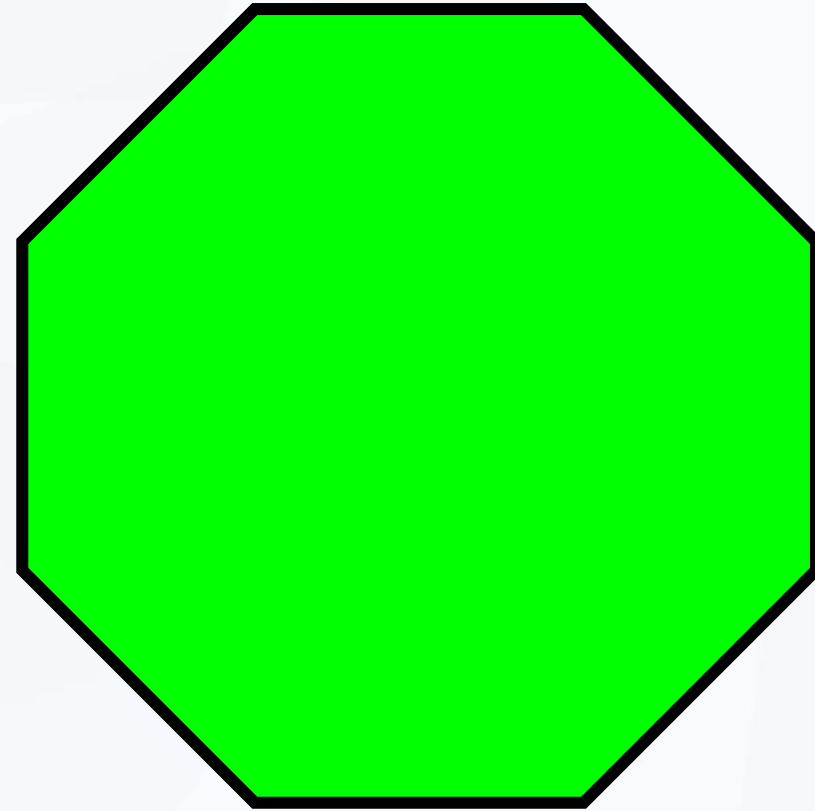


Pentagon

I am thinking of a shape.

I have more than 7 sides.

What shape am I?

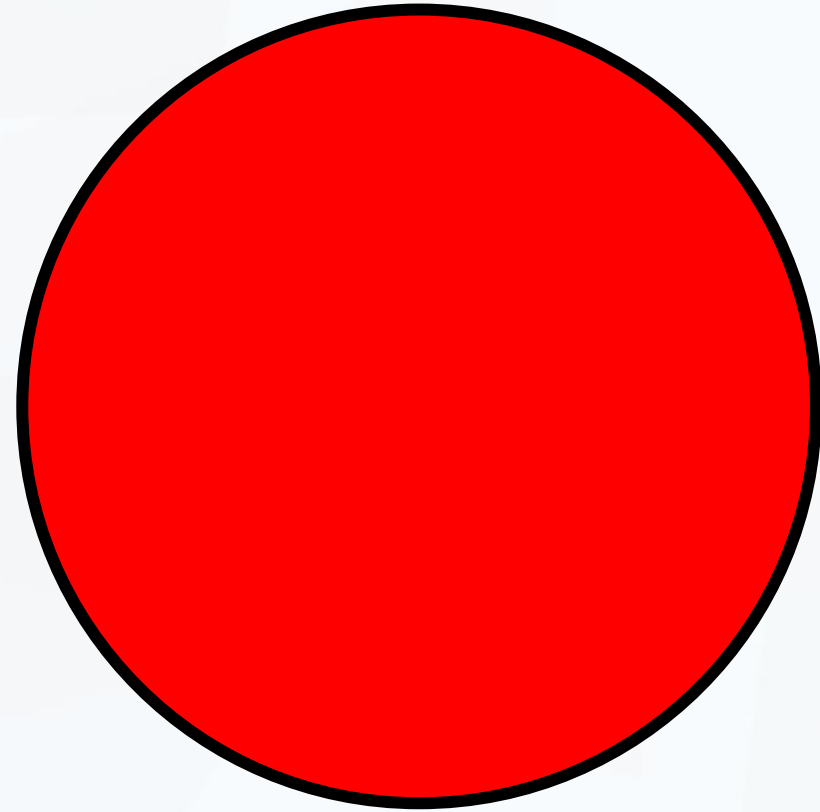


Octagon

I am thinking of a shape.

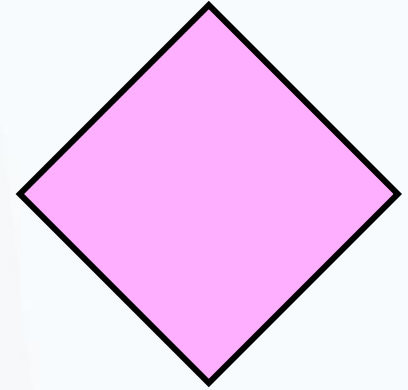
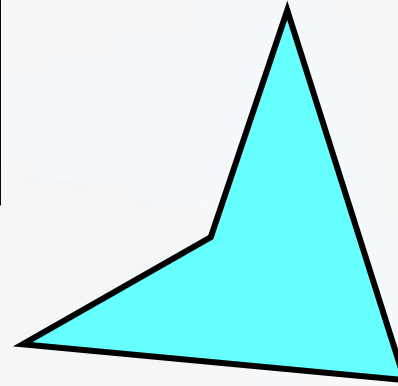
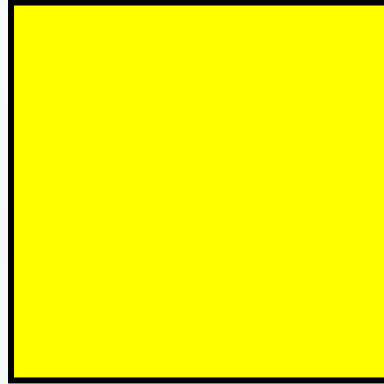
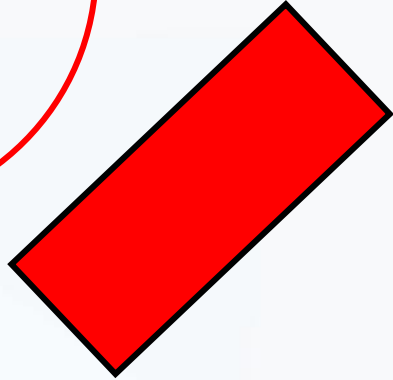
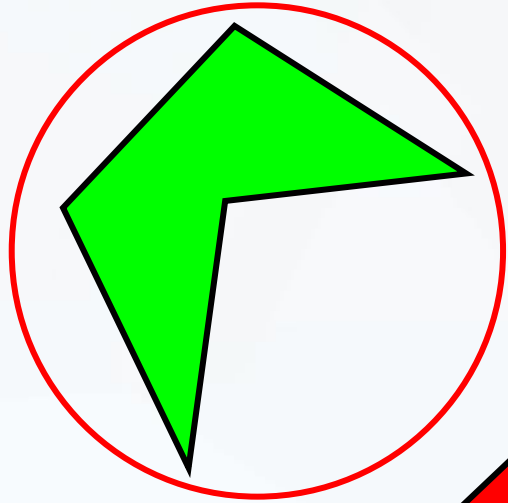
I have less than 3 sides.

What shape am I?



Circle

Which shape is the odd one out?

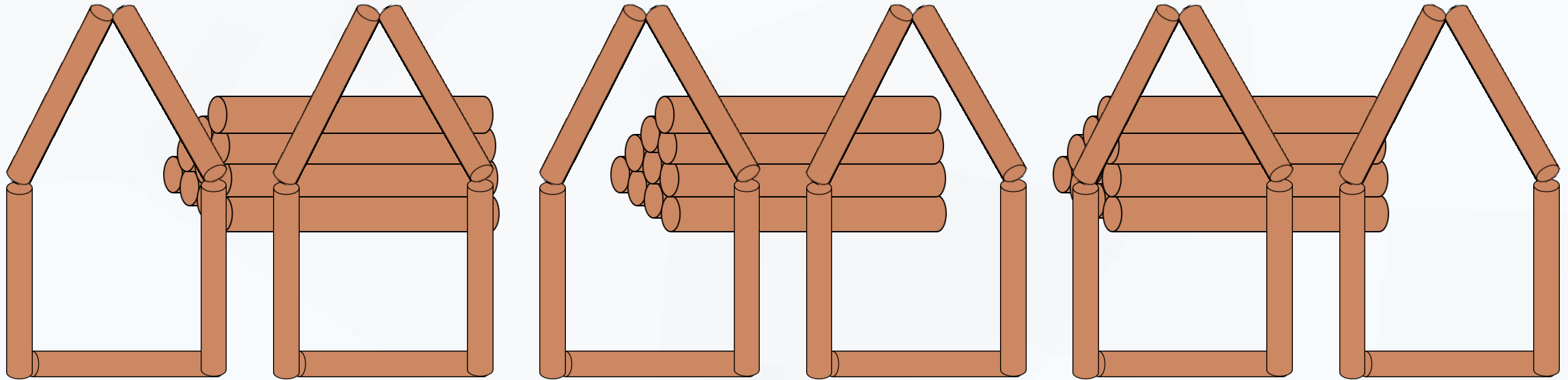


Explain how you know.

The odd shape out is the green shape as this has 5 sides.  
All the other shapes have 4 sides.

Here are 30 sticks

How many pentagons could you make from this?



We can make 6 pentagons from 30 sticks.

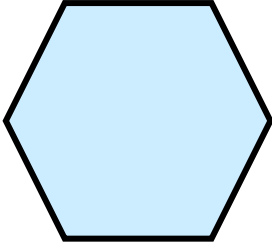
A pentagon has 5 sides.

$$30 \div 5 = 6.$$

# Friday Short Lesson 3

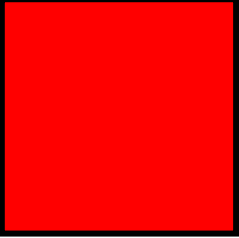
Step: Count vertices of 2D shapes

Complete the table.

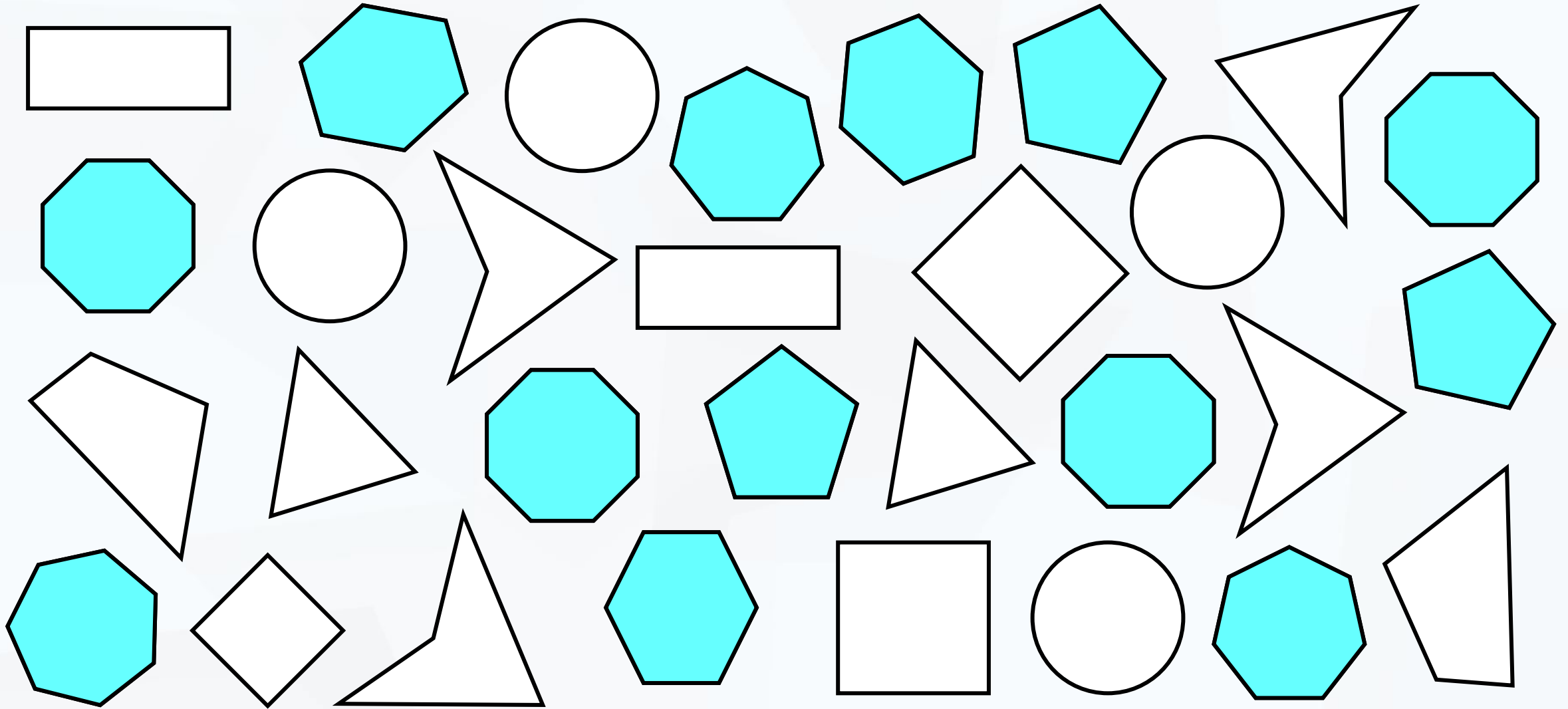
Name	Shape	Number of vertices
Hexagon		6



Complete the table.

Name	Shape	Number of vertices
Square		4

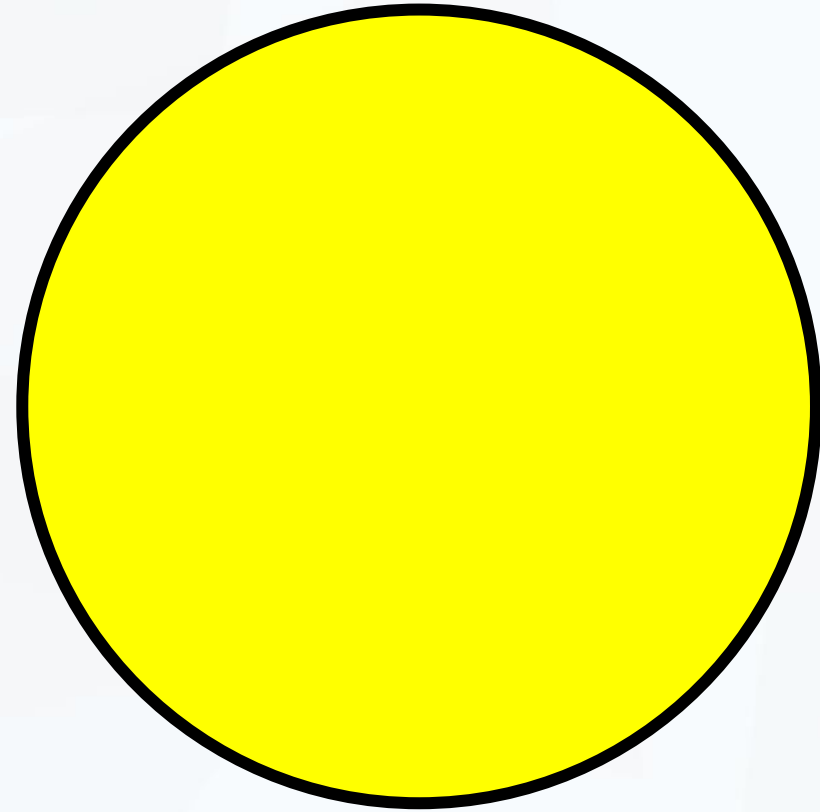
Which shapes have more than 4 vertices?



I am thinking of a shape.

I have 0 vertices.

What shape am I?

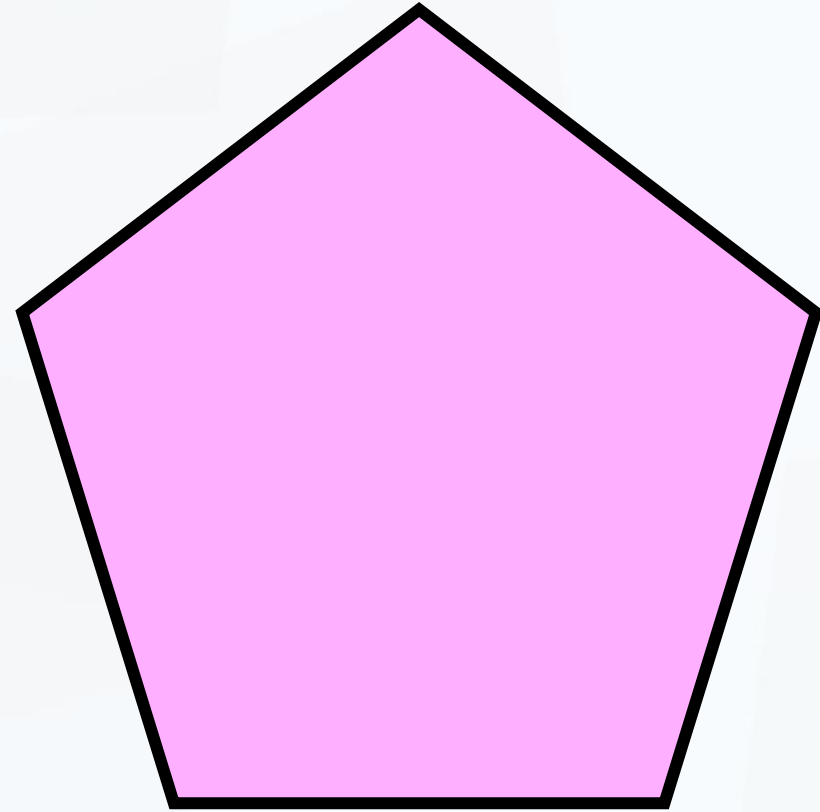


Circle

I am thinking of a shape.

I have 5 vertices.

What shape am I?

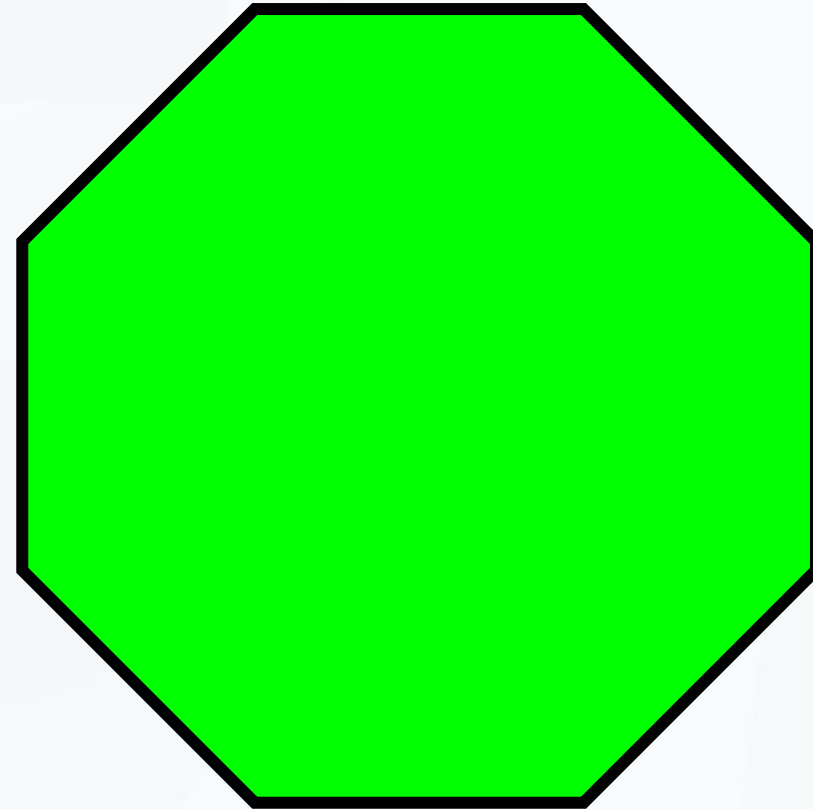


Pentagon

I am thinking of a shape.

I have more than 7 vertices.

What shape am I?

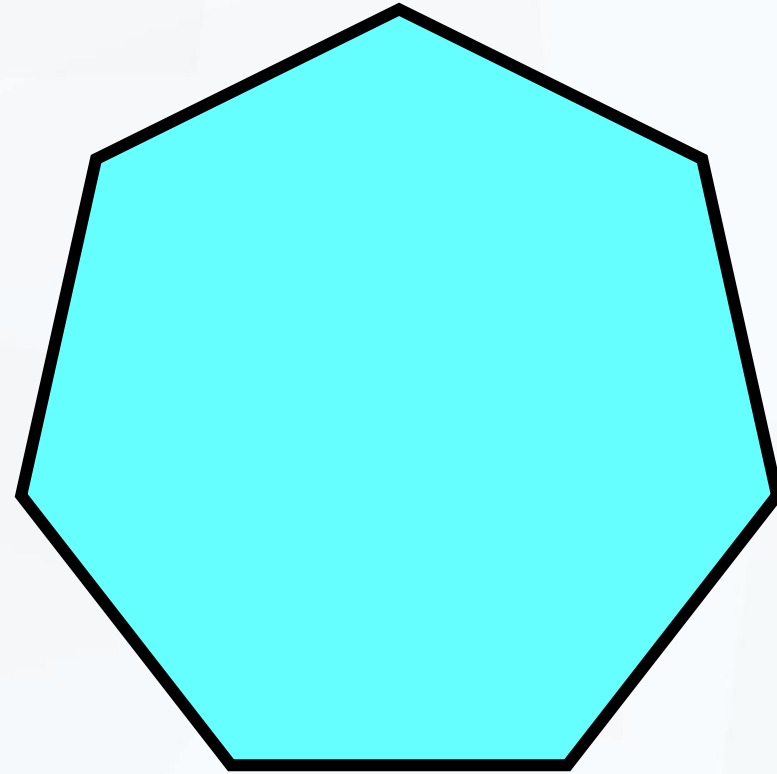


Octagon

I am thinking of a shape.

I have less than 8, but more than 6 vertices.

What shape am I?



Heptagon

Gina says,



I have a square.  
It has half the number of  
vertices than a hexagon.

Is Gina's statement true or false?

**False.**

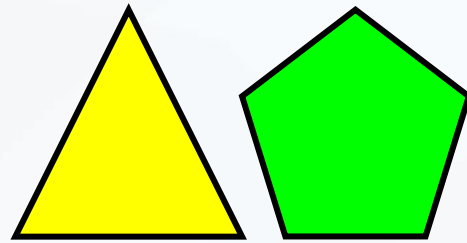
**A hexagon has 6 vertices and a square has 4.**

**3 is half of 6 (not 4).**

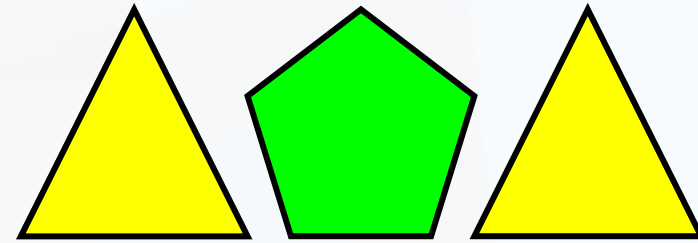
Kat has created this pattern.



1



2



3

How many vertices does each step have?

**Step 1 has 3.**

**Step 2 has 8.**

**Step 3 has 11.**

How many vertices will step 4 have and how do you know?

**Step 4 will have 16 as another pentagon will be added.**