

Maths – Thursday 21st January

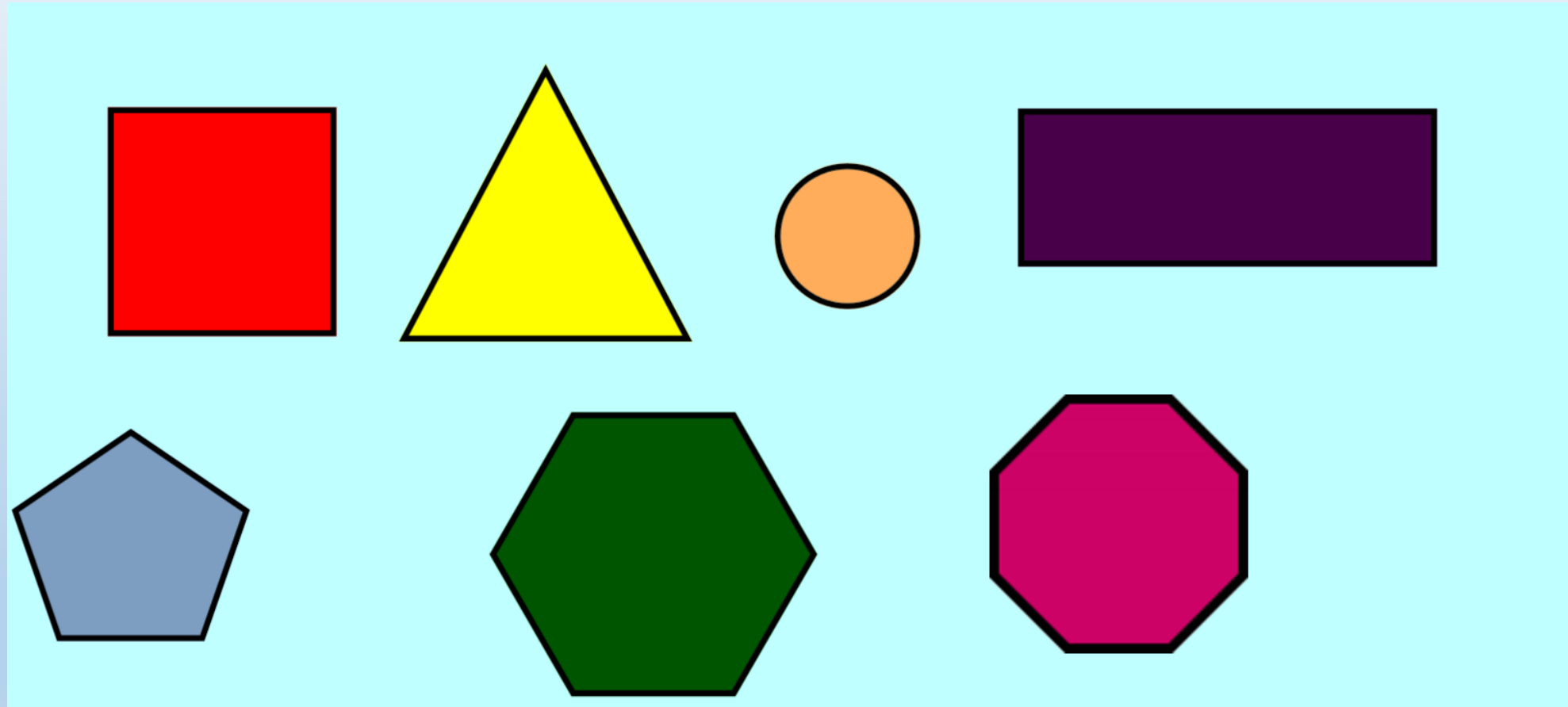


WALT: Count sides on 2D shapes



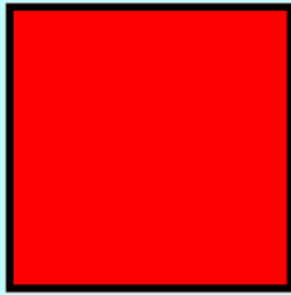
Retrieval practice:

Can you remember the names of these 2D shapes?

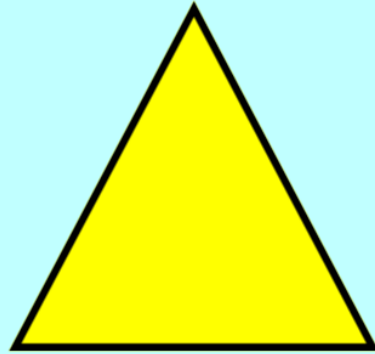




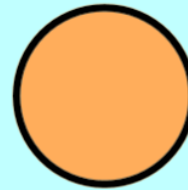
Can you remember the names of any?



square



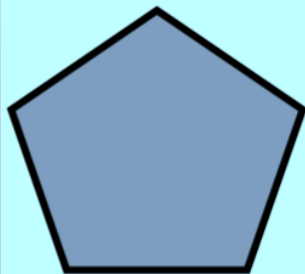
triangle



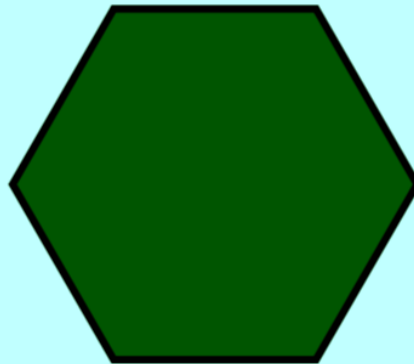
circle



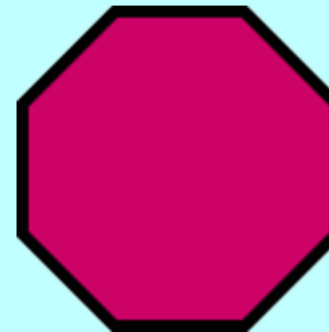
rectangle



pentagon



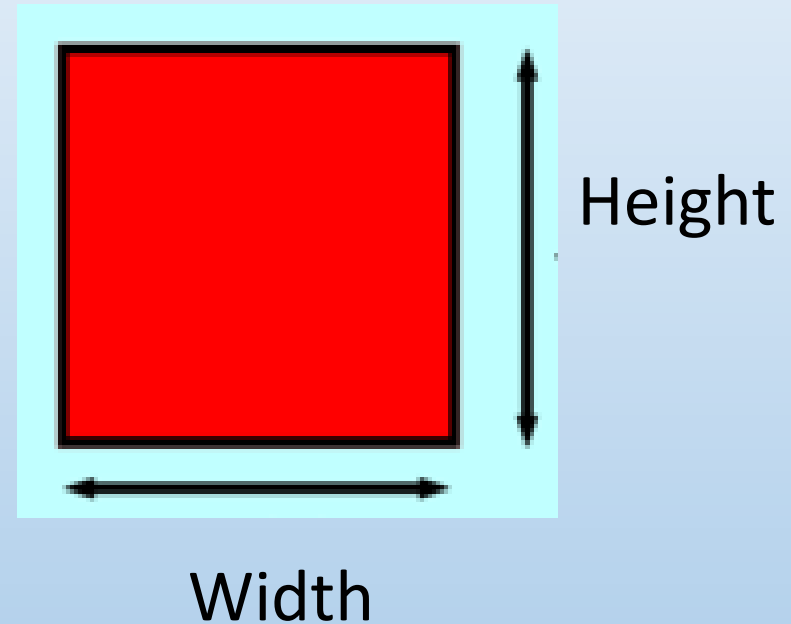
hexagon



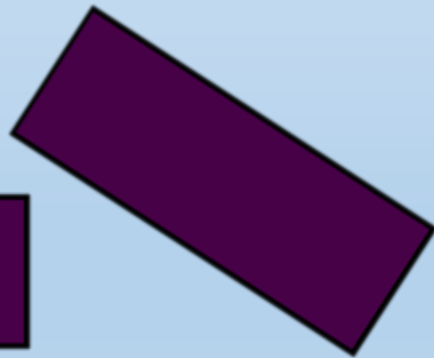
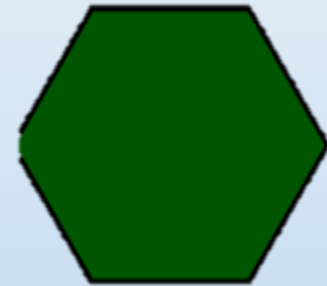
octagon

2D shapes

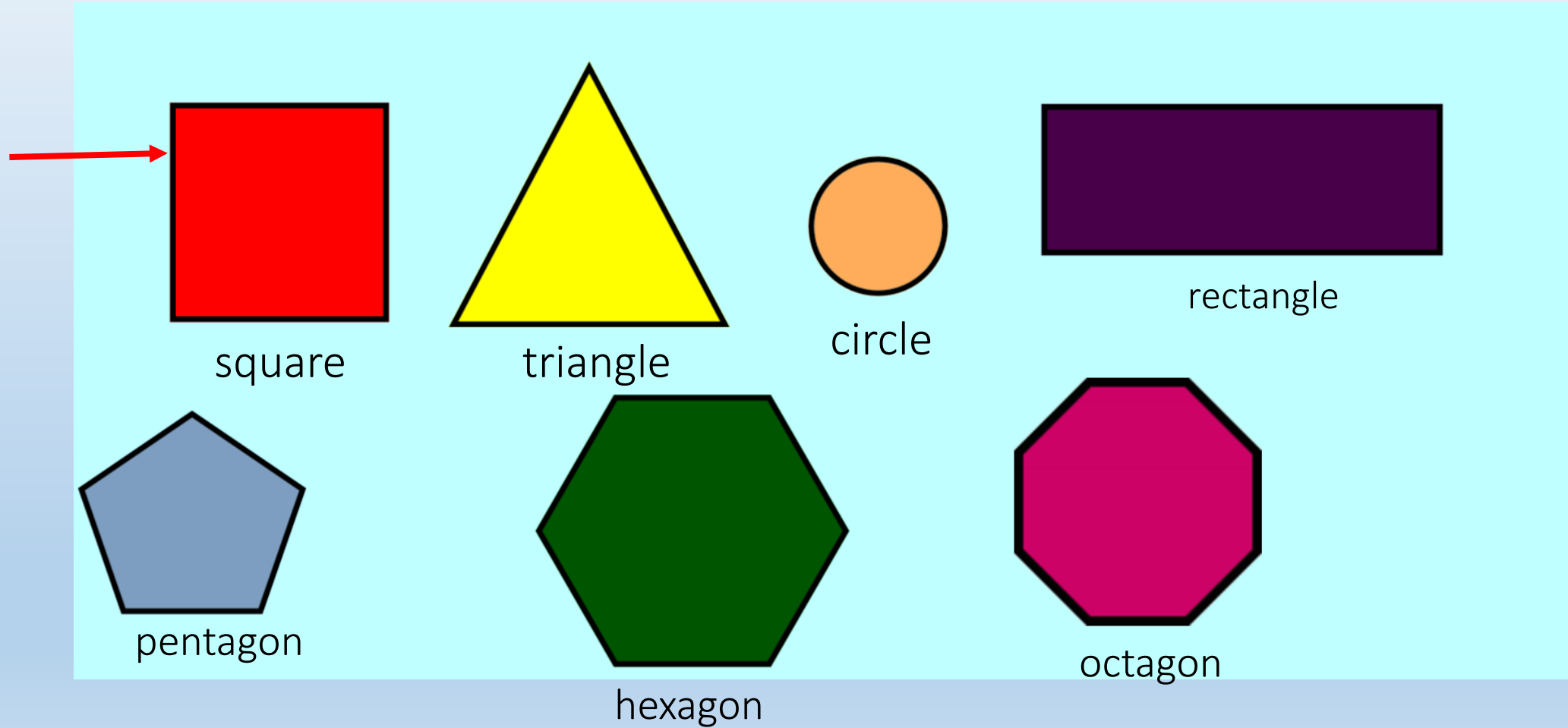
- 2D means 2 dimensional.
- It has 2 dimensions.
- It has a **height** and a **width** but **no thickness.**
- It is **flat**.
- It cannot be picked up



Remember each 2D shape is still the same when it is rotated.



Properties: Sides

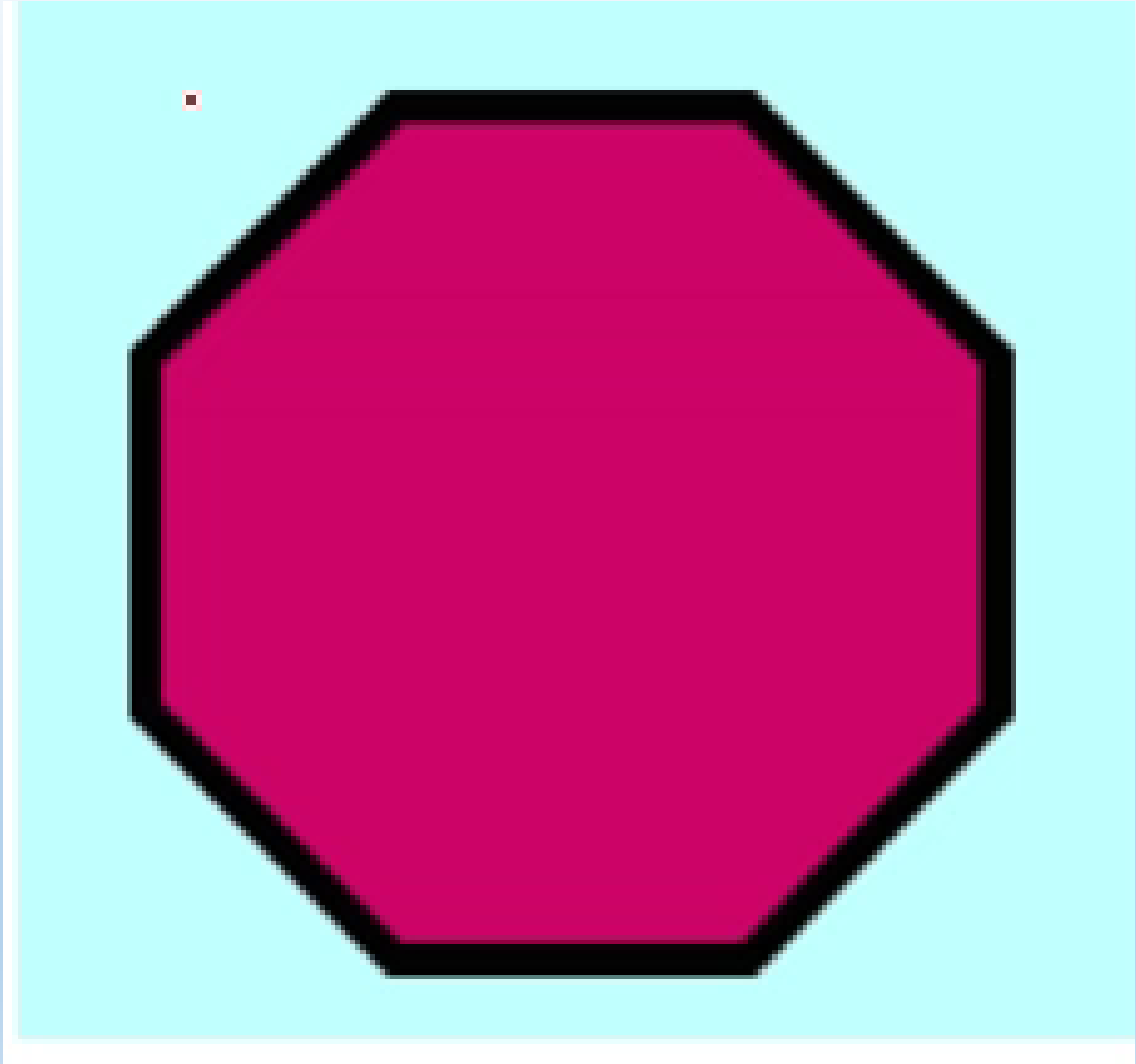


Properties: Sides



A diagram illustrating the number of sides for various geometric shapes. The shapes are arranged in two rows on a light blue background. Each shape is colored and has a black outline. The number of sides is written in the center of each shape. Below each shape is its name. A red arrow points to the square.

| Shape | Number of Sides |
|-----------|-----------------|
| square | 4 |
| triangle | 3 |
| circle | 1 |
| rectangle | 4 |
| pentagon | 5 |
| hexagon | 6 |
| octagon | 8 |





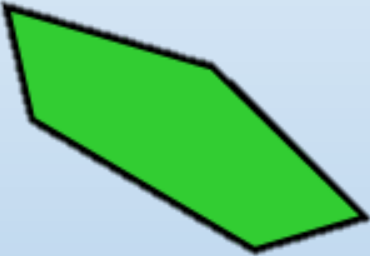
You are used to seeing 2D shapes like this.
These are **regular**.



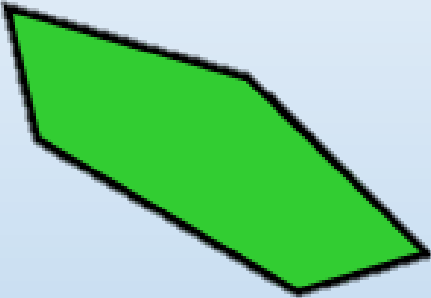
- These are shapes that have sides and angles that are the same length/size.

These are **irregular**. Can you name them?

Tip Count the number of sides!



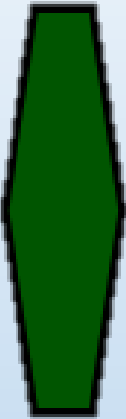
Were you correct?



Pentagon



Hexagon



Hexagon



Octagon



Hexagon



Triangle

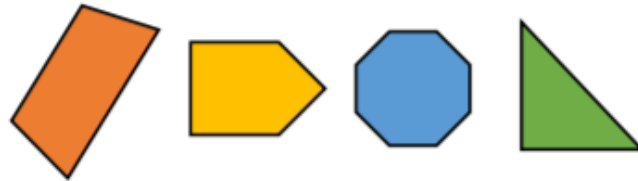


Pentagon

One to discuss



If I put these shapes into order from the smallest number of sides to the largest, which shape would come third?

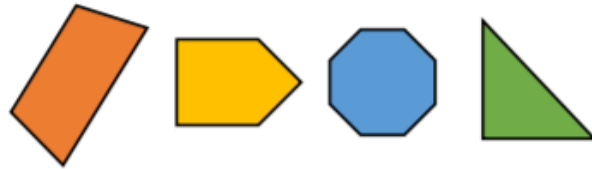


Where would a hexagon come in the list?
Why?



One to discuss

If I put these shapes into order from the smallest number of sides to the largest, which shape would come third?



Where would a hexagon come in the list?
Why?

triangle,
quadrilateral,
pentagon,
octagon



The pentagon
would be third.


A hexagon would
come after the
pentagon and
before the octagon
because it has 6
sides which is
more than 5 and
less than 8.


Your task today





Count sides on 2D shapes

1 Complete the sentences to describe the shapes.

a)  A pentagon has sides.




b)  A triangle has sides.




c)  A _____ has sides.

d)  A _____ has sides.

White Rose Maths




2 Tick the 4-sided shapes.




  

Did your partner tick the same shapes?

3 Tick the 6-sided shapes.



  



  

Compare answers with a partner.

© White Rose Maths 2019

4 Complete the table.


| Name | Shape | Number of sides |
|----------|---|-----------------|
| |  | |
| | | 3 |
| pentagon | | |
| | | 6 |
| square | | |
| | | 8 |
| |  | |

5  This shape is a triangle. 

Is Amir correct? _____

How do you know?

6 Use 15 lolly sticks to make three shapes.



Draw your shapes.

Did your partner make the same shapes?
What happens if you use more or fewer lolly sticks?

© White Rose Maths 2019

Count sides on 2D shapes



I Complete the sentences to describe the shapes.

a)



A pentagon has sides.

b)



A triangle has sides.

c)



A _____ has sides.

d)



A _____ has sides.



2 Tick the 4-sided shapes.



Did your partner tick the same shapes?



3 Tick the 6-sided shapes.



Compare answers with a partner.



4 Complete the table.

| Name | Shape | Number of sides |
|----------|---|-----------------|
| |  | |
| | | 3 |
| pentagon | | |
| | | 6 |
| square | | |
| | | 8 |
| |  | |



5



This shape
is a triangle.



Is Amir correct? _____

How do you know?

- 6 Use 15 lolly sticks to make three shapes.



Draw your shapes.



Did your partner make the same shapes?

What happens if you use more or fewer lolly sticks?

