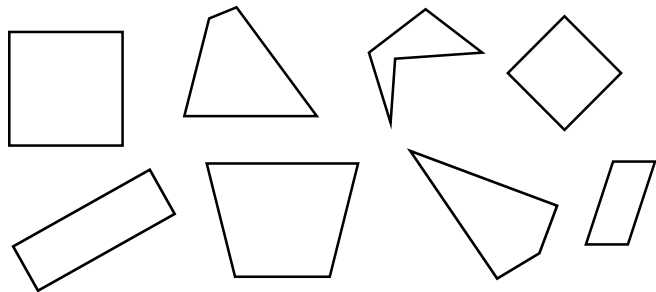


Count sides of 2D shapes



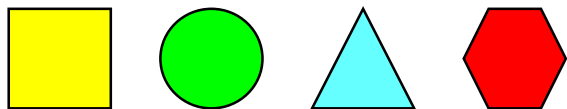
Problem solving and reasoning cards.

Colour the shape that is the odd one out.



Explain how you know.

The following shapes need to be put in order from least number of sides to most.



Where would a pentagon come in the list?

Explain your answer.

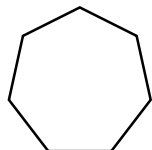
Tick (✓) the box of the shapes with the most sides.

- a) 2 octagons. ☐
- b) 3 pentagons. ☐
- c) 5 triangles. ☐

How many sides does your answer have altogether?

Jack says,

This shape has 7 sides so it must be a hexagon.



Is Jack correct?
Explain your answer.

Tick (✓) the box of the shapes with the most sides.

A = 4 triangles. ☐

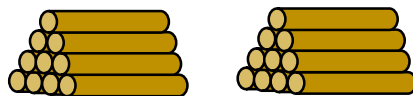
B = 2 hexagons. ☐

C = 4 kites. ☐

How many sides does each group have?

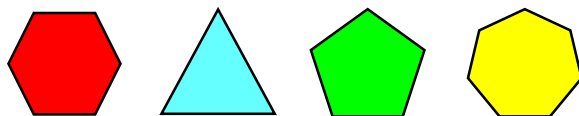
True or false?

You can make 5 squares out of the sticks below:



Explain your answer.

The following shapes need to be put in order from most sides to least.



Where would a square come in the list?

Explain your answer.

Jess says,

This square can be split up to make 4 triangles.



Show this on the square.



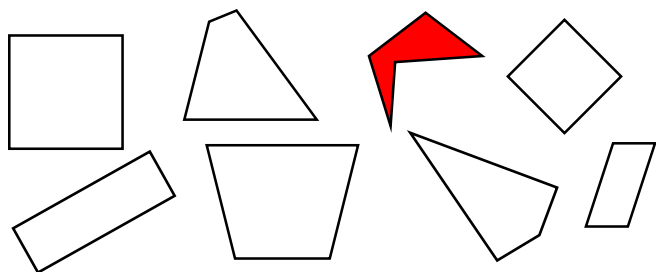
Count sides of 2D shapes



Problem solving and reasoning cards.

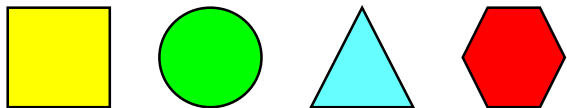
Colour the shape that is the odd one out.

This shape has 5 sides, all the others have 4 sides.



Explain how you know.

The following shapes need to be put in order from least number of sides to most.



Pentagon would come 4th.

Order: circle, triangle, square, pentagon, hexagon.

The sides are increasing in number.

Where would a pentagon come in the list?

Explain your answer.

Tick (✓) the box of the shapes with the most sides.

- a) 2 octagons. ☒
- b) 3 pentagons. ☐
- c) 5 triangles. ☐

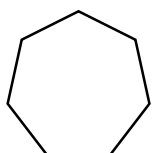
$2 \times 8 = 16$ sides.

The others have 15 sides altogether.

How many sides does your answer have altogether?

Jack says,

This shape has 7 sides so it must be a hexagon.



Is Jack correct?

Explain your answer.

Jack is incorrect.

A heptagon has 7 sides not a hexagon which has 6 sides.

Tick (✓) the box of the shapes with the most sides in total.

A = 4 triangles. ☐

B = 2 hexagons. ☐

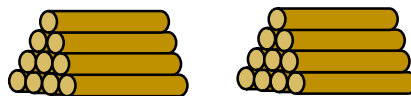
C = 4 kites. ☒

How many sides does each group have?

A = 12 sides B = 12 sides C = 16 sides.

True or false?

You can make 5 squares out of the sticks below:



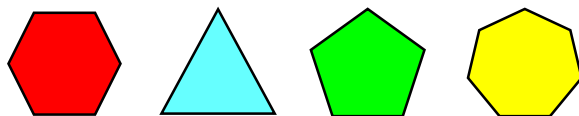
True.

There are 20 sticks in total.

$20 \div 4$ (sides) = 5 squares.

Explain your answer.

The following shapes need to be put in order from most sides to least.



Square would come 4th.

Order: heptagon, hexagon, pentagon, square, triangle.

The sides are decreasing in number.

Where would a square come in the list?

Explain your answer.

Jess says,

This square can be split up to make 4 triangles.



Show this on the square.

