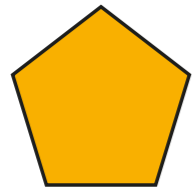


Count sides on 2D shapes

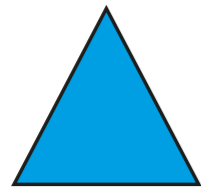
1 Complete the sentences to describe the shapes.

a)



A pentagon has sides.

b)



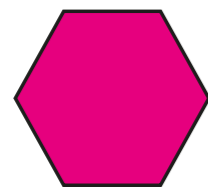
A triangle has sides.

c)



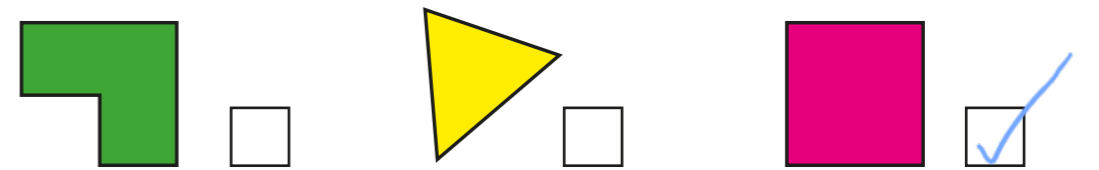
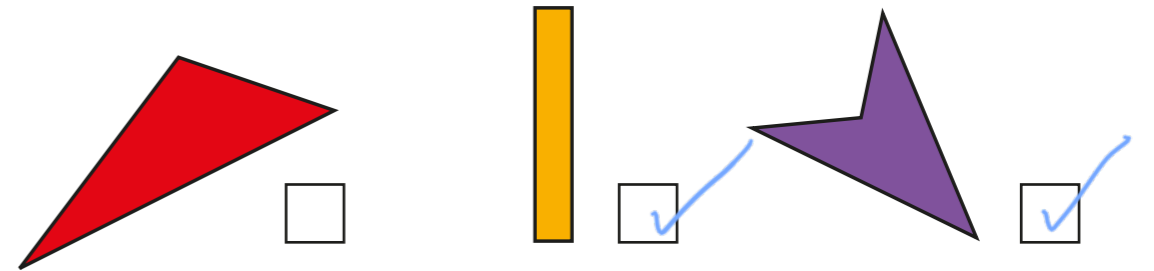
A square has sides.

d)



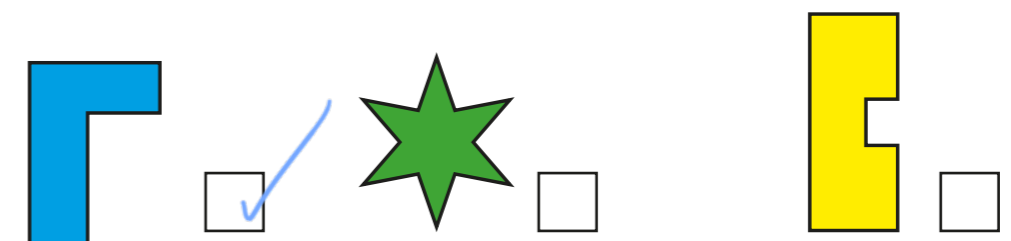
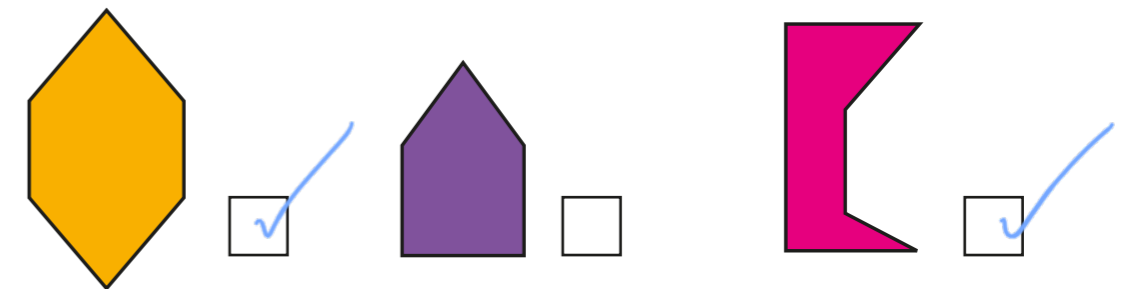
A hexagon has sides.

2 Tick the 4-sided shapes.




Did your partner tick the same shapes?

3 Tick the 6-sided shapes.



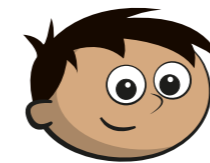
Compare answers with a partner.

4 Complete the table.

Name	Shape	Number of sides
rectangle		4
triangle		3
pentagon		5
hexagon		6
square		4
octagon		8
hexagon		6



5



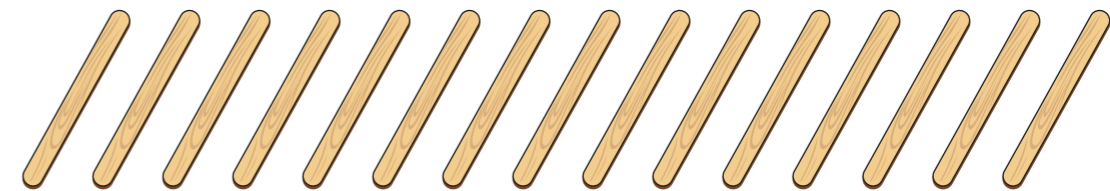
This shape is a triangle.



Is Amir correct? No

How do you know?

6 Use 15 lolly sticks to make three shapes.



Draw your shapes.

e.g.



Did your partner make the same shapes?

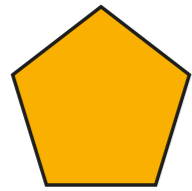
What happens if you use more or fewer lolly sticks?



Count vertices on 2D shapes

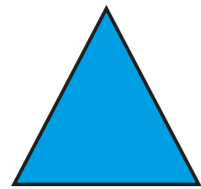
1 Complete the sentences to describe the shapes.

a)



A pentagon has vertices.

b)



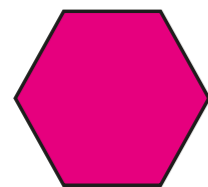
A triangle has vertices.

c)



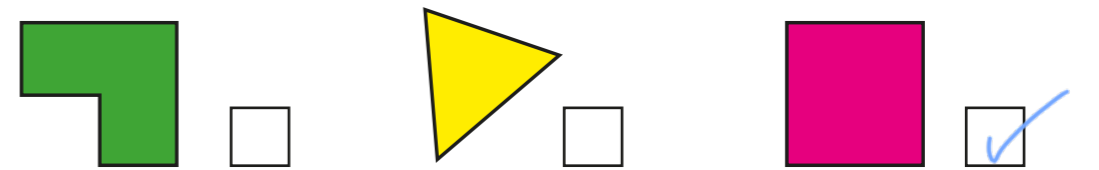
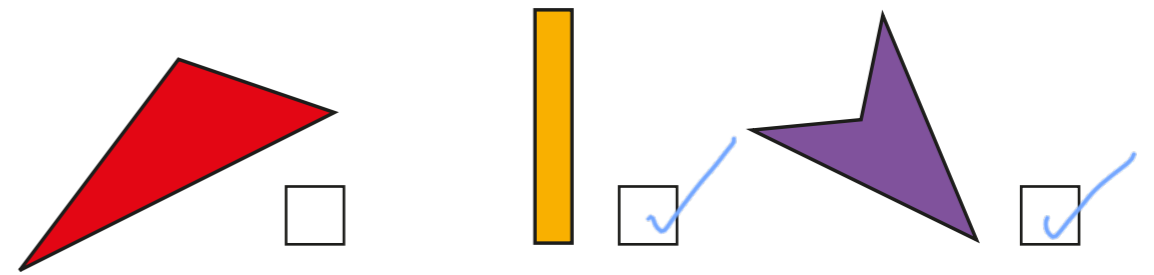
A square has vertices.

d)



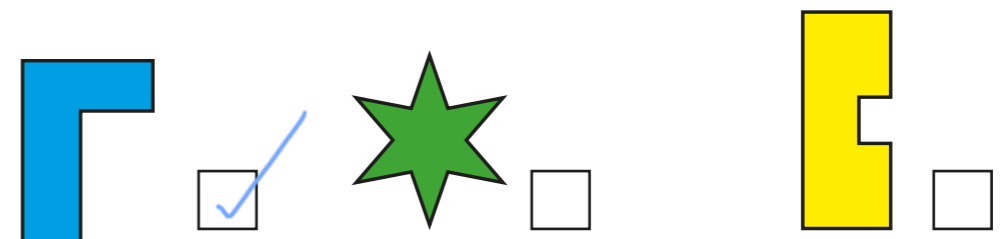
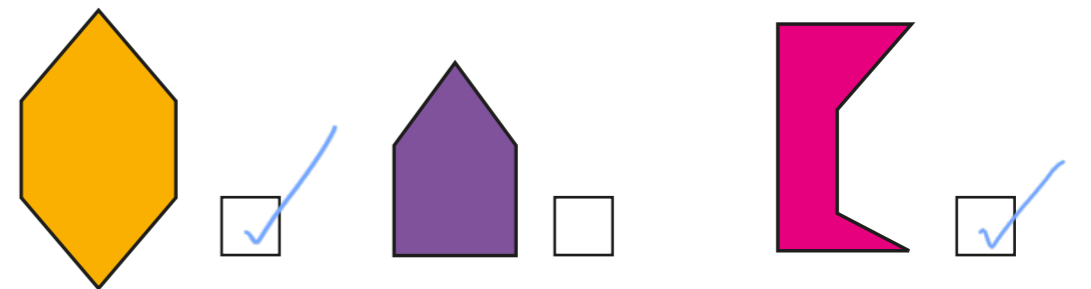
A hexagon has vertices.

2 Tick the shapes with 4 vertices.



Compare answers with a partner.

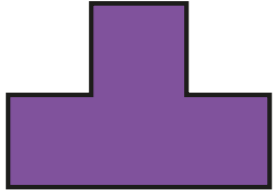
3 Tick the shapes with 6 vertices.

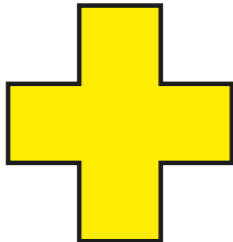


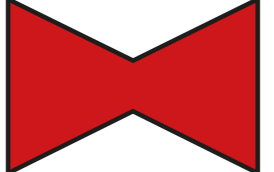
Talk to a partner about your answers.


4 How many vertices does each shape have?

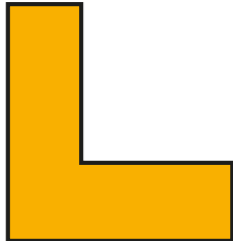
a) 

b) 

c) 

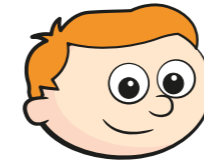
d) 

e) 

f) 

How did you count the vertices?

5



My shape has more vertices than a triangle, but fewer than a hexagon.




What shape could Ron have? e.g. square

Compare answers with a partner.

6

Rosie is making a pattern out of shapes.

a) How many vertices are in each term of her pattern?

		
<input type="text" value="4"/>	<input type="text" value="7"/>	<input type="text" value="11"/>

b) What do you notice?

c) How many vertices will the next term have?

d) Create your own pattern with shapes.

Count the number of vertices in each term.