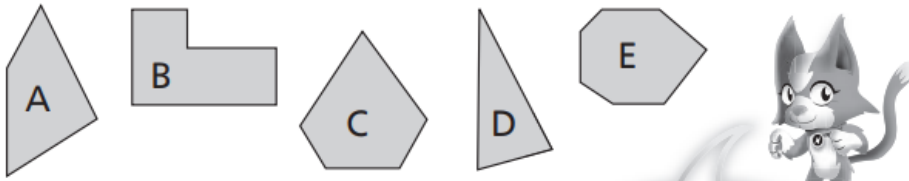


# Today you are going to be counting sides and vertices on 2D shapes

<https://youtu.be/1nZnuuy7ell>

1. Match the shape to the sentence.



Shape D has  sides.

Shape A has  sides.

There is one sentence for each shape.

Shape \_\_\_\_ has more than six sides.

Shape \_\_\_\_ has five sides.

Shape \_\_\_\_ has an even number of sides.

2. Here are 18 lollipop sticks.

a) How many hexagons can you make?



b) How many octagons can you make?

c) What other shapes can you make with 18 lollipop sticks?

You could use cocktail sticks, K'nex rods or straws to find out.

You could also use your multiplication facts.

Make sure you start with 18.


Can you remember how many sides an octagon has?

3. Rob makes five triangles.

To make five triangles,



he needs  sticks.

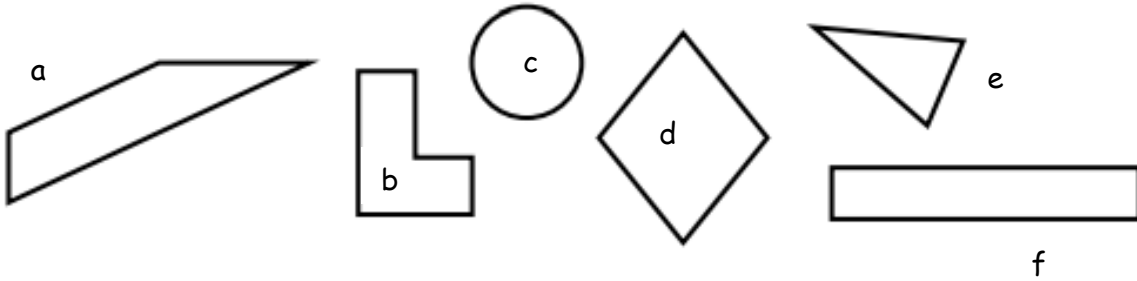
4. Isla makes five pentagons. 

To make five pentagons, she needs  sticks.



5. Jasmine uses 12 sticks. She makes three shapes. What shapes could she have made?

6. Which of these shapes has 4 vertices?



7. Amir says:

My shape has half the number of vertices as an octagon.



What shapes could Amir have? \_\_\_\_\_

8. How many vertices does each shape have?

a	
b	
c	
d	

9.



This shape has four vertices because it touches four dots.



Explain Toby's mistake

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