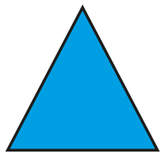
Count vertices on 2D shapes

1 Complete the sentences to describe the shapes.

a)

A pentagon has ☐ vertices.

b)

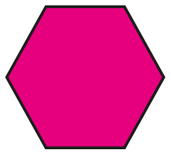


A triangle has ☐ vertices.

c)

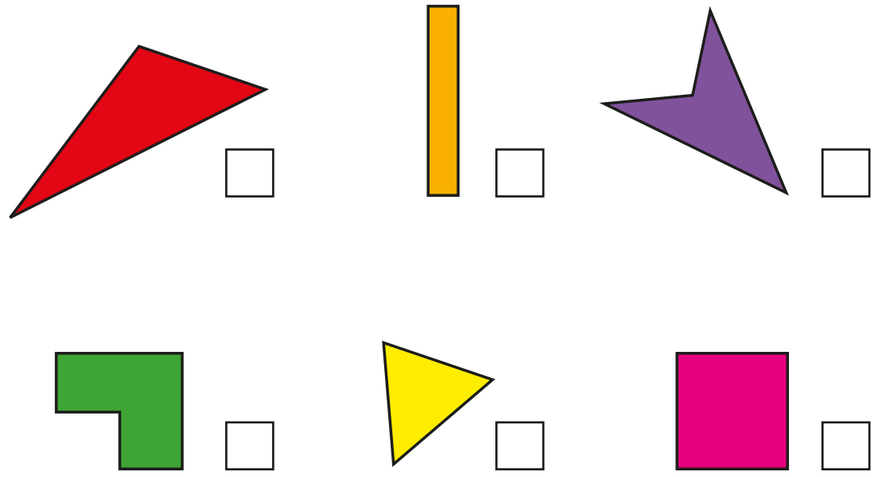
A _____ has ☐ vertices.

d)



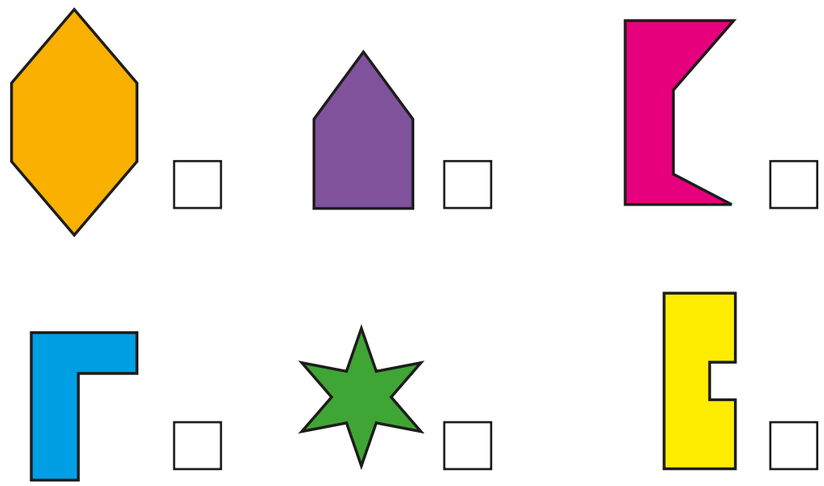
A _____ has ☐ vertices.

2 Tick the shapes with 4 vertices.



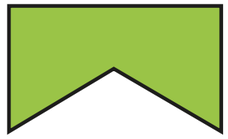
Compare answers with a partner.

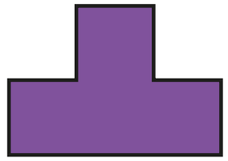
3 Tick the shapes with 6 vertices.



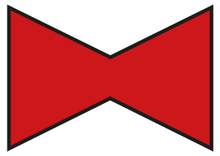
Talk to a partner about your answers.

4 How many vertices does each shape have?

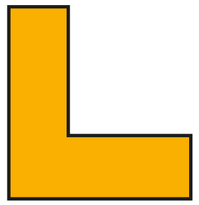
a) 

b) 

c) 

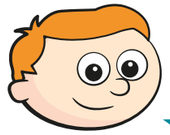
d) 

e) 

f) 

How did you count the vertices?

5



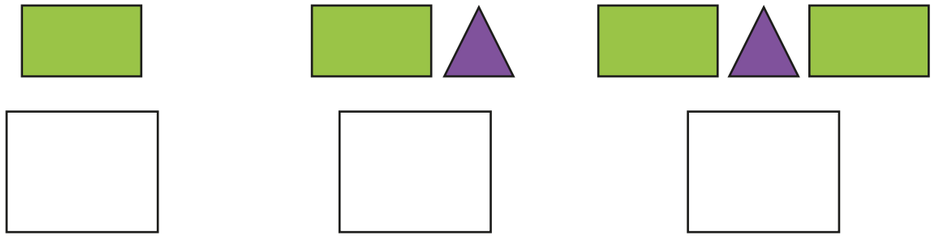
My shape has more vertices than a triangle, but fewer than a hexagon.

What shape could Ron have? _____

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?



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.