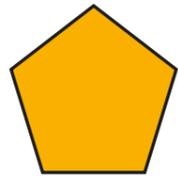# Count vertices on 2D shapes
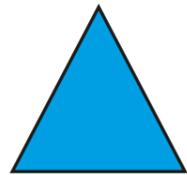
1 Complete the sentences to describe the shapes.

a)

A pentagon has ⎧ 5 ⎫ vertices.
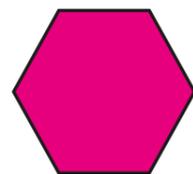
b)

A triangle has ⎧ 3 ⎫ vertices.
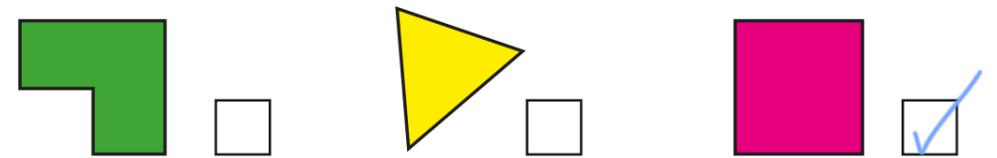
c)

A __square__ has ⎧ 4 ⎫ vertices.

d)

A __hexagon__ has ⎧ 6 ⎫ vertices.

2 Tick the shapes with 4 vertices.

☐   ☑   ☑

☐   ☐   ☑
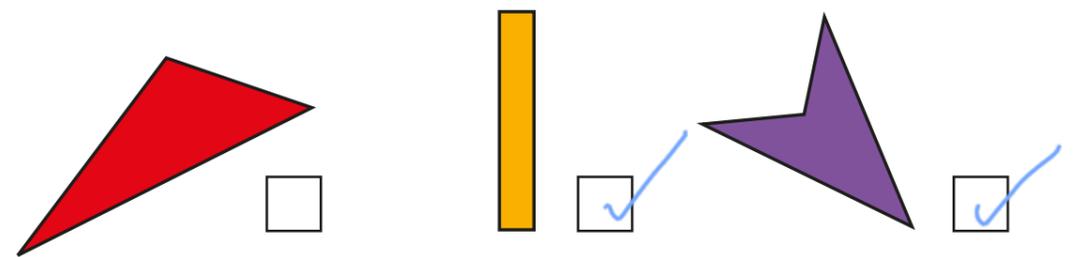
Compare answers with a partner.

3 Tick the shapes with 6 vertices.
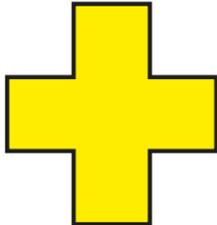
☑   ☐   ☑

☑   ☐   ☐
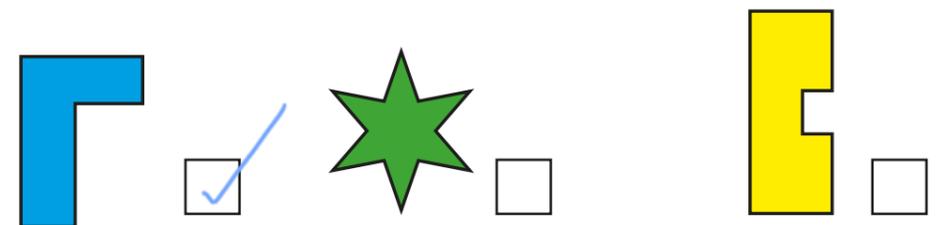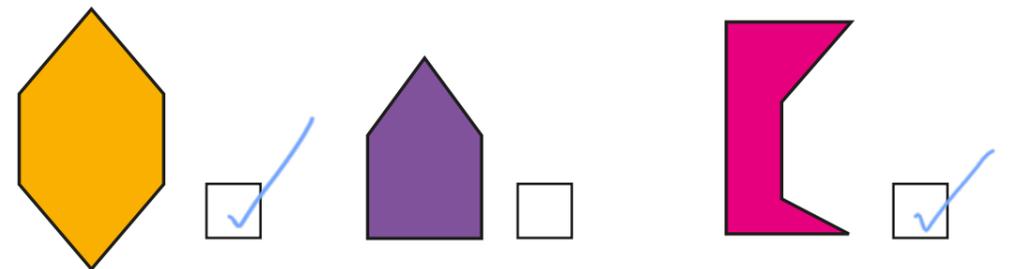
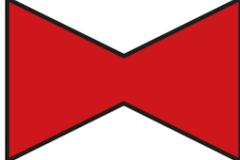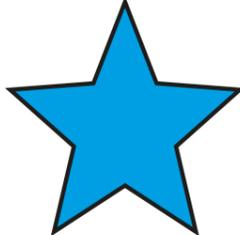Talk to a partner about your answers.

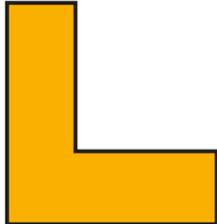**4** How many vertices does each shape have?

a) 5
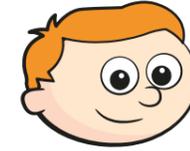
b) 8

c) 12

d) 6

e) 10

f) 6
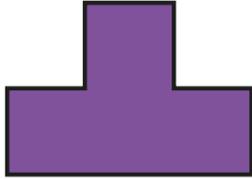
How did you count the vertices?

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?

4   7   11

b) What do you notice?

c) How many vertices will the next term have?

14

d) Create your own pattern with shapes.

Count the number of vertices in each term.