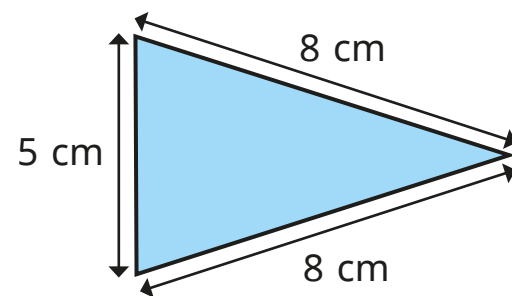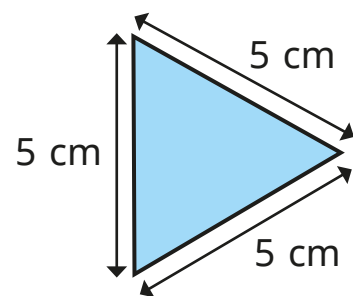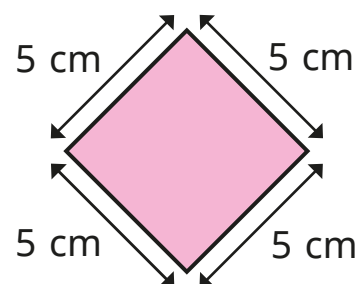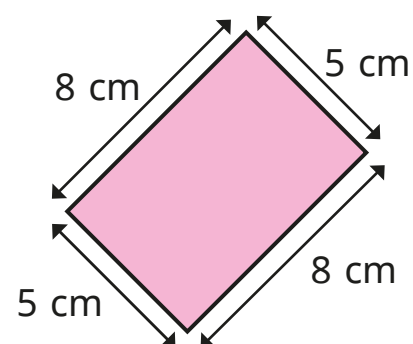# Perimeter of polygons

1 In each pair of shapes, tick the shape that is irregular.
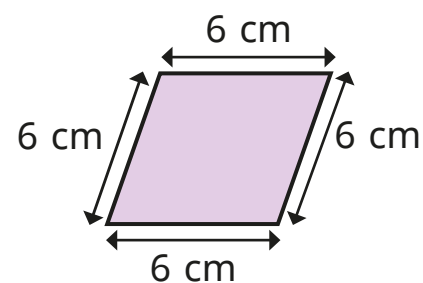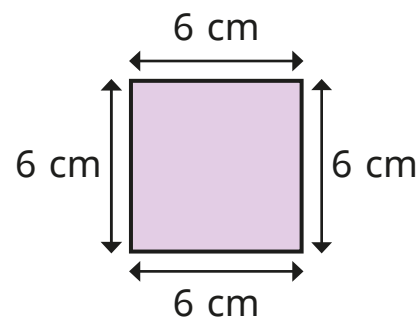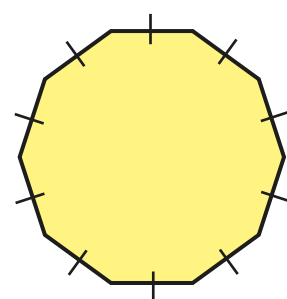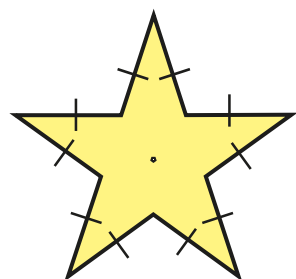
a)

5 cm, 5 cm, 5 cm

8 cm, 5 cm, 8 cm

b)

8 cm, 5 cm, 5 cm, 8 cm

5 cm, 5 cm, 5 cm, 5 cm

c)

6 cm, 6 cm, 6 cm, 6 cm

6 cm, 6 cm, 6 cm, 6 cm

d)

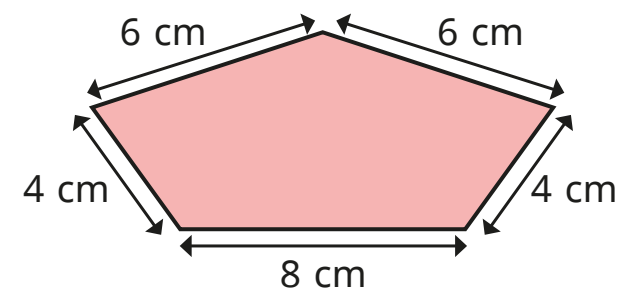Compare answers with a partner.

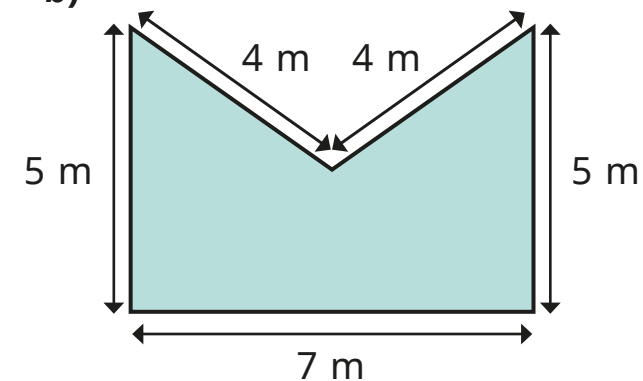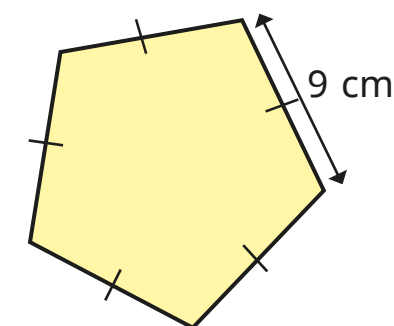**2** Work out the perimeters of the pentagons.

a)

6 cm, 6 cm, 4 cm, 4 cm, 8 cm

☐ cm

c)

13 cm, 6 cm, 8 cm, 9 cm, 11 cm

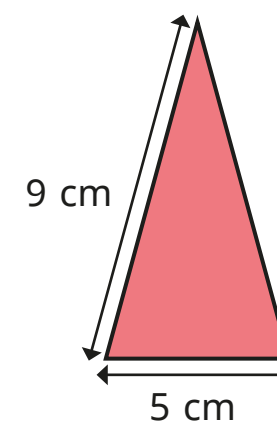☐ cm

b)

4 m, 4 m, 5 m, 5 m, 7 m

☐ m

d)

9 cm
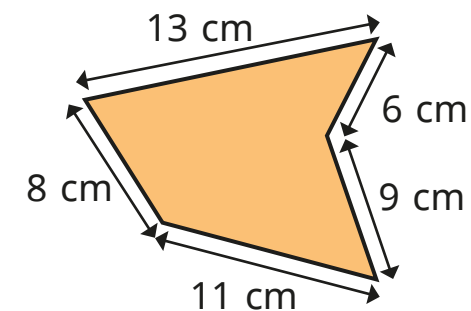
☐ cm

3 These shapes have one line of symmetry.

Work out the perimeters of the shapes.

a)

9 cm, 5 cm

☐ cm

b)

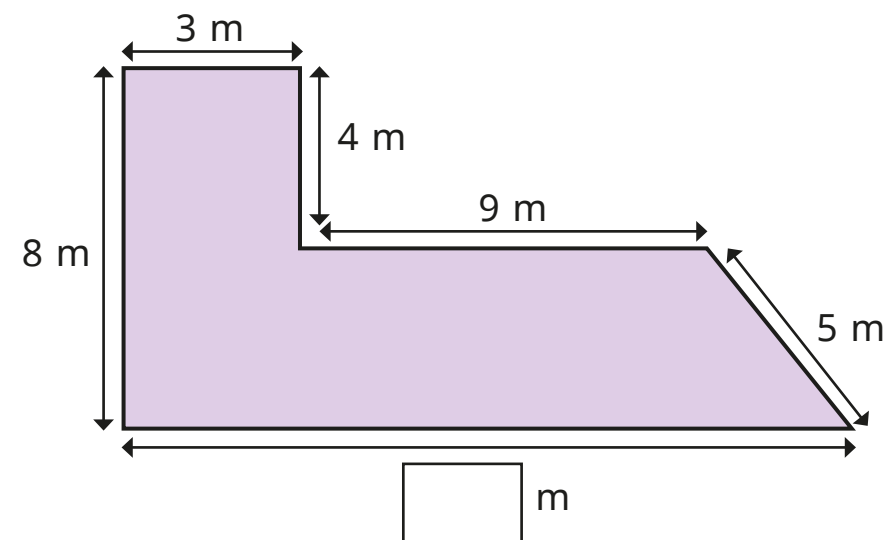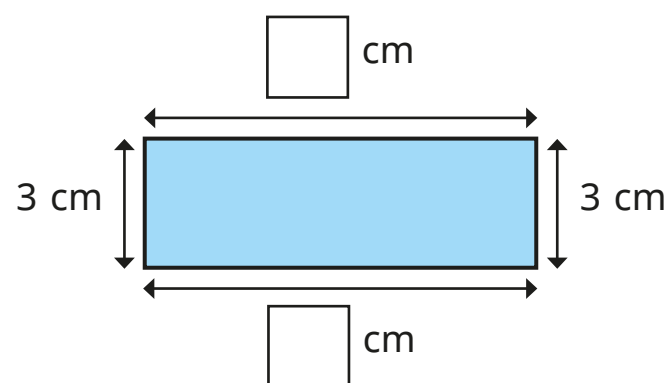12 cm, 7 cm, 4 cm
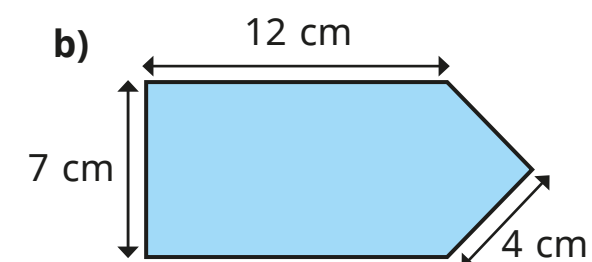
☐ cm

4 The perimeter of the hexagon is 43 m.

Work out the unknown length.

3 m

4 m

8 m

9 m

5 m

☐ m

5 Each rectangle has a perimeter of 24 cm.

Work out the unknown lengths.

a)

☐ cm

3 cm   3 cm

☐ cm

b)

7 cm

☐ cm
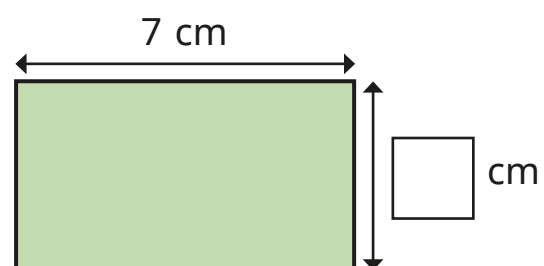
6 The perimeter of a triangle is 19 cm.

Each side measures a whole number of centimetres.

The length of the longest side is 9 cm.

What could the other two lengths be?

☐ cm and ☐ cm

Compare answers with a partner.

How many answers can you find?

7 The perimeters of the pentagons are equal.

Work out the missing length.

10 cm

8 cm

6 cm

☐ cm

12 cm

8 cm