Calculate perimeter

1 Work out the perimeter of each shape.
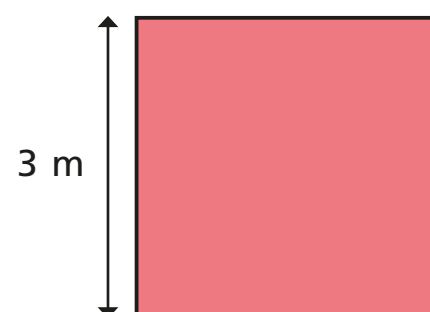
a)

5 cm

3 cm   3 cm

5 cm

perimeter = 16 cm
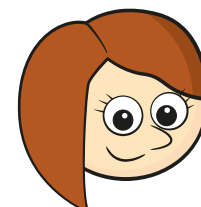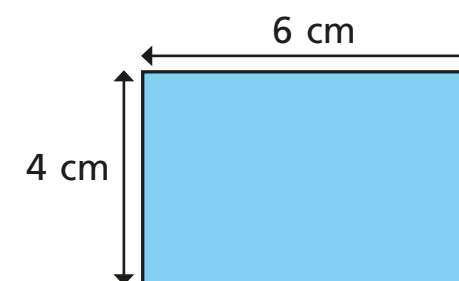
b)

40 mm

20 mm

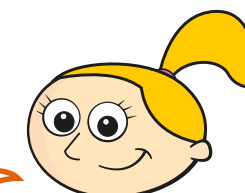perimeter = 120 mm

c)

3 m
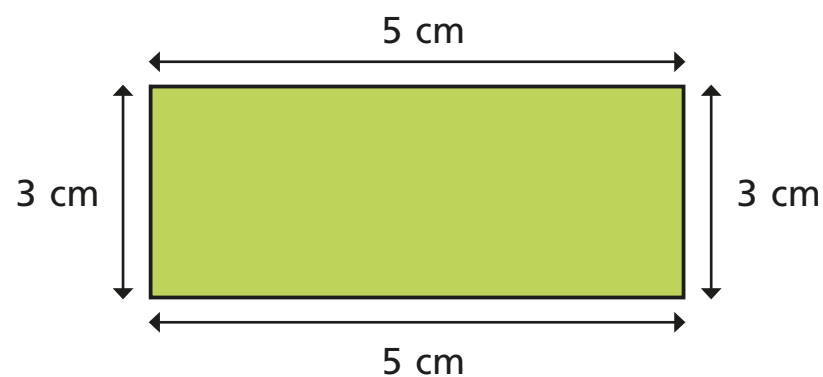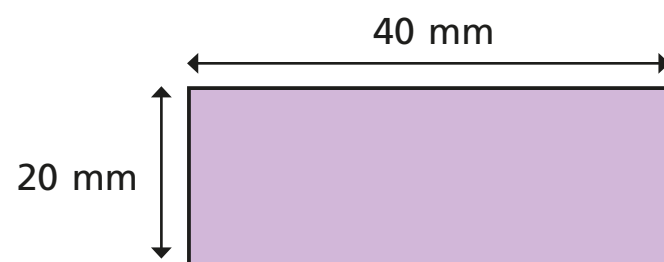
perimeter = 12 m

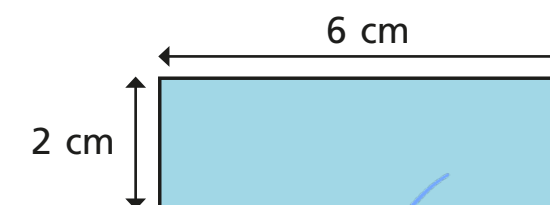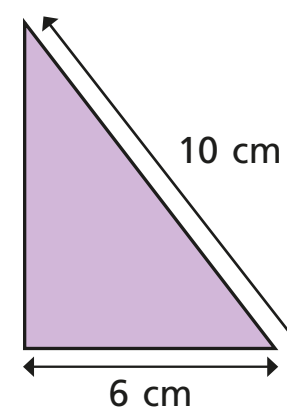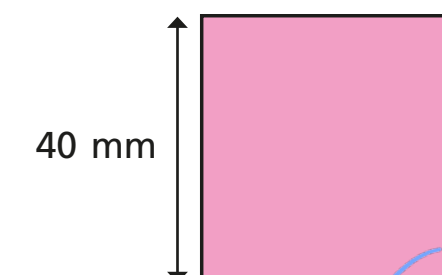**2** Rosie and Eva work out the perimeter of the shape below.

6 cm

4 cm

Rosie: 6 + 4 = 10, so the perimeter is 10 cm.
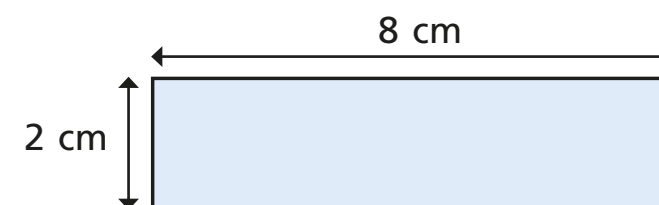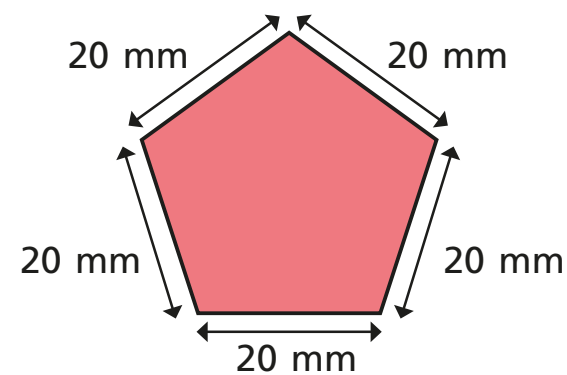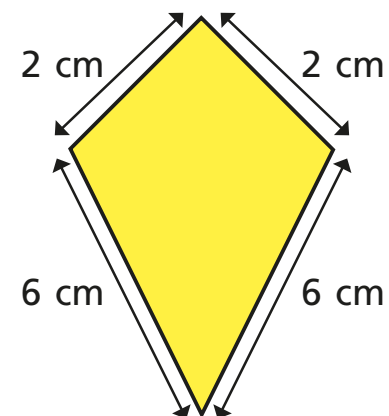
Eva: The perimeter is 20 cm.

Who is correct? ___Eva___

How do you know?

Rosie hasn't included the other two sides.
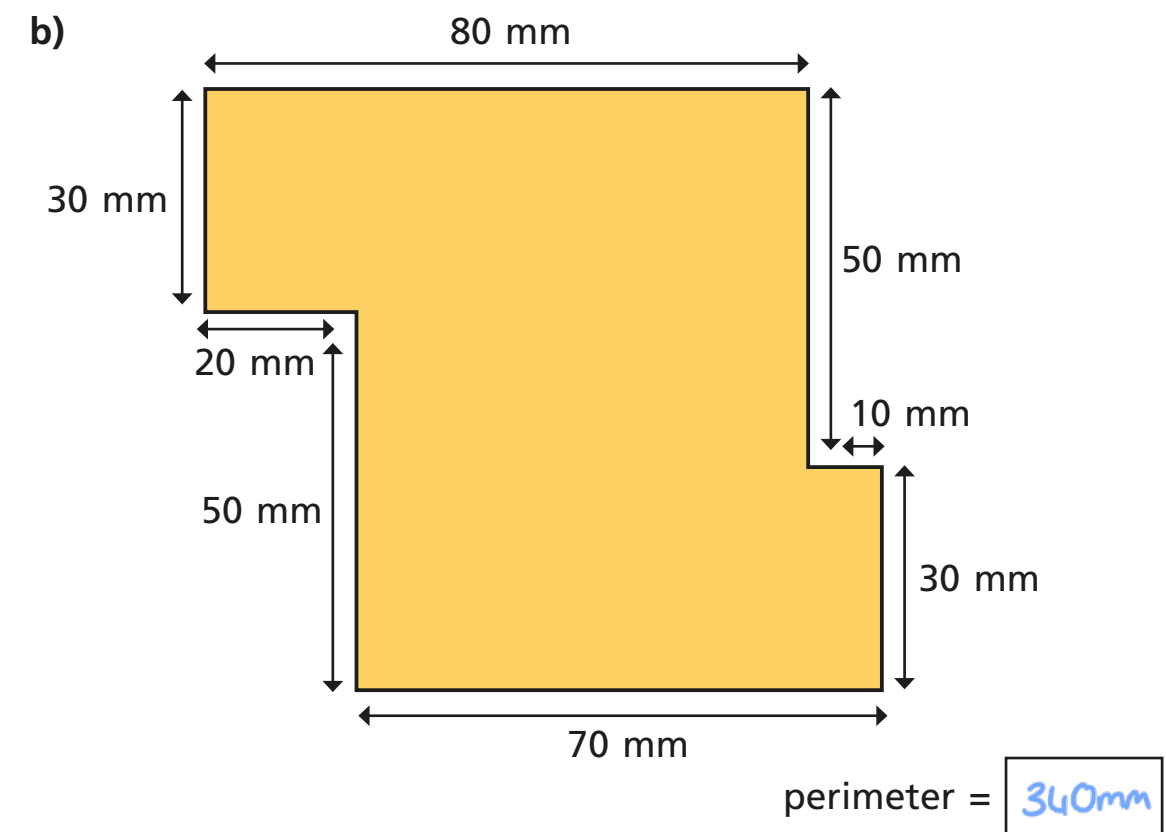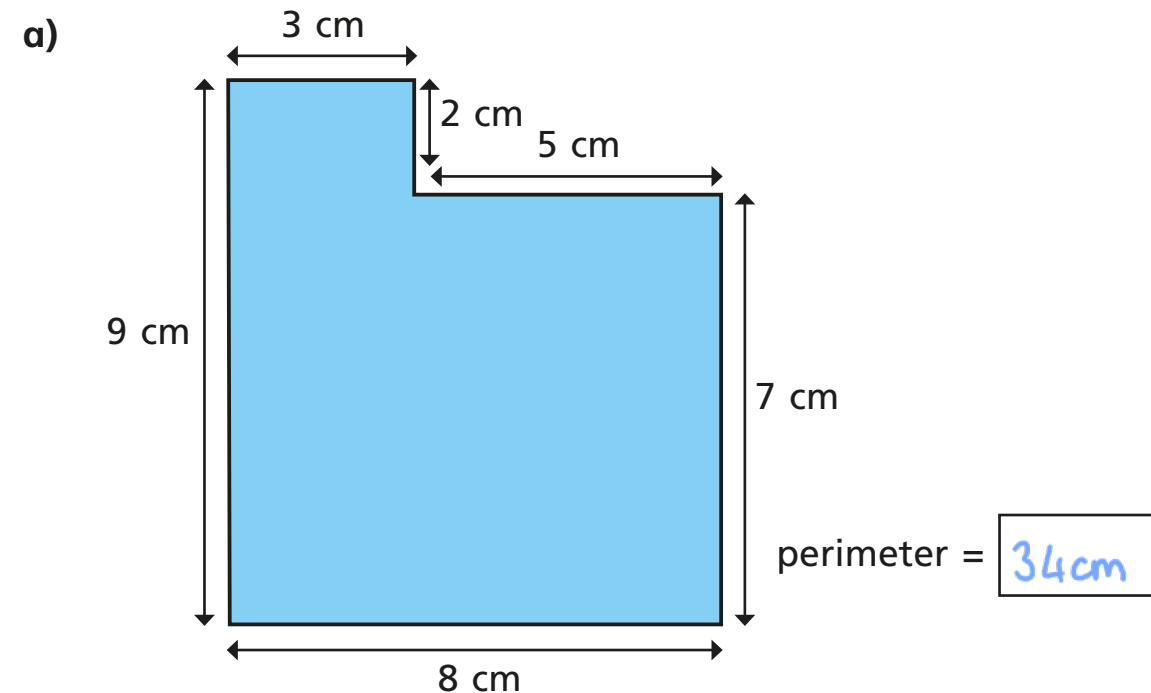
3 Tick the shapes with a perimeter of 16 cm.

8 cm

2 cm

□

40 mm

✓

10 cm

6 cm

□

6 cm

2 cm

✓

4 Which shape has the longest perimeter? Tick your answer.

4 cm

3 cm   3 cm

4 cm

☐

2 cm   2 cm

6 cm   6 cm

☑

20 mm   20 mm

20 mm   20 mm

20 mm

☐
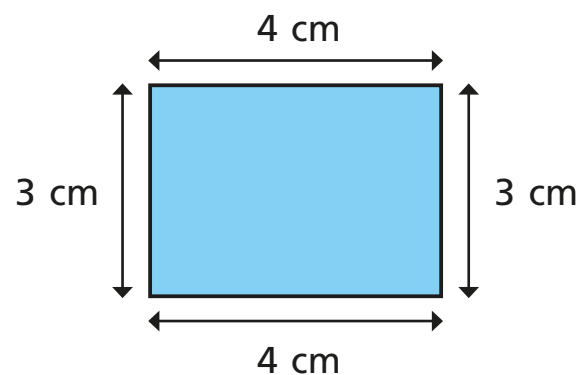
Show all your workings.

5 Work out the perimeter of these shapes.

a)

3 cm

2 cm

5 cm

9 cm

7 cm

8 cm

perimeter = 34cm

b)

80 mm

30 mm

50 mm

20 mm

10 mm

50 mm

30 mm

70 mm

perimeter = 340mm

What do you notice?

6 This rectangle has a perimeter of 18 cm.

Work out the length of side a.

6 cm

a
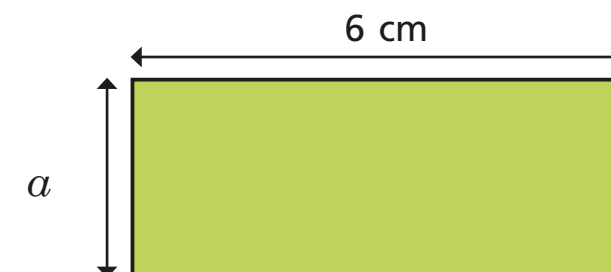
perimeter = 18 cm

side a = 3 cm