1. Work out the perimeter of each shape.

a) 
\[ \text{perimeter} = 16 \text{ cm} \]

b) 
\[ \text{perimeter} = 120 \text{ mm} \]

c) 
\[ \text{perimeter} = 12 \text{ m} \]

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

Rosie: The perimeter is 20 cm.

Eva: The perimeter is 10 cm.

6 + 4 = 10, so the perimeter is 10 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.

- **√**
- **☐**
- **☐**
- **☐**
4 Which shape has the longest perimeter? Tick your answer.

Which shape has the longest perimeter?

a)  
- Height = 3 cm
- Base = 4 cm
- Perimeter = 3 + 3 + 4 + 4 = 14 cm

b)  
- Height = 2 cm
- Base = 2 cm
- Perimeter = 2 + 2 + 6 + 6 = 16 cm

c)  
- Height = 20 mm
- Base = 20 mm
- Perimeter = 5 + 5 + 20 + 20 = 45 mm

5 Work out the perimeter of these shapes.

a)  
- Height = 3 cm
- Base = 2 cm
- Side = 5 cm
- Perimeter = 3 + 2 + 5 + 5 = 15 cm

b)  
- Height = 6 cm
- Base = 6 cm
- Perimeter = 6 + 6 + 7 + 7 = 26 cm

6 This rectangle has a perimeter of 18 cm. Work out the length of side $a$.

Perimeter = 18 cm

Side $a = \frac{18}{2} - 6 = 3$ cm