Perimeter of rectilinear shapes

1. The length of each square on the grid is 1 cm.
   Work out the perimeter of the shapes.

   a)
   b)

2. Work out the perimeter of the shape.

3. a) Work out the missing lengths and label them on the diagram.

   b) What is the perimeter of the shape?

4. Work out the perimeter of each shape.

   a)
   b)
5 Mo puts two 5 cm by 3 cm rectangles next to each other.

![Diagram of two 5 cm by 3 cm rectangles]

The perimeter of each small rectangle is 16 cm, so the perimeter of my larger rectangle must be $2 \times 16 \text{ cm} = 32 \text{ cm}$.

a) Is Mo correct? ____

Work out the perimeter of the larger rectangle to check your answer.

b) Mo puts the rectangles together in different ways.

Work out the perimeter of each large shape.

![Diagram of different arrangements of rectangles]

6 Dani thinks there isn’t enough information to work out the perimeter of the shape.

![Diagram of a shape with a path around it]

Is Dani correct? ____

Explain your answer.

7 A rectangular flower bed is 5 m long and 3 m wide. The path around the flower bed is 1 m wide.

![Diagram of a flower bed with a path around it]

a) What is the perimeter of the flower bed?

b) What is the perimeter of the outside of the path?