

Perimeter

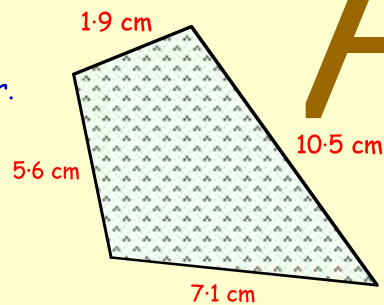
Be able to find the perimeter of a shape

The **perimeter** of a shape is simply :-

"the **total distance** around its outside".

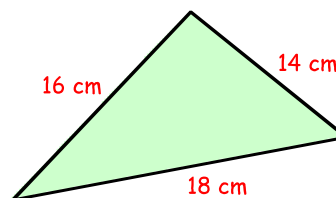
This simply means you **add** all the outside lengths together.

$$\begin{aligned} \text{Perimeter} &= (1.9 + 10.5 + 7.1 + 5.6) \text{ cm} \\ &= 25.1 \text{ cm} \end{aligned}$$

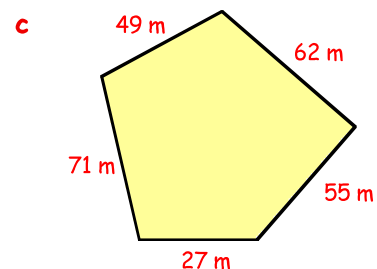
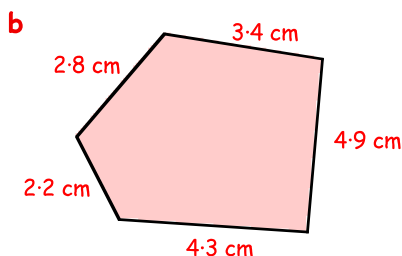
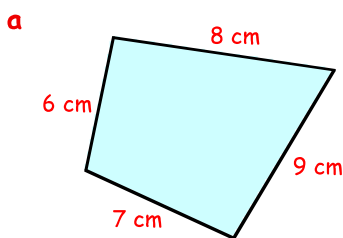


Exercise 4

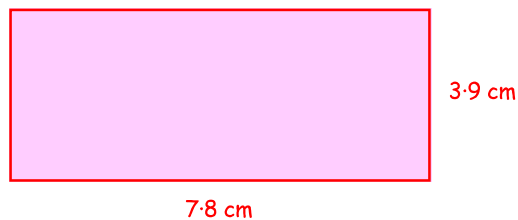
1. Calculate the **perimeter** of this triangle.
(show your working)



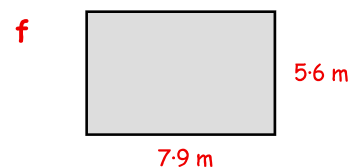
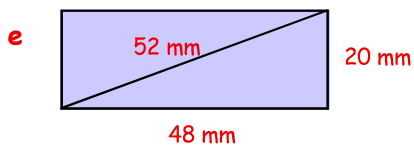
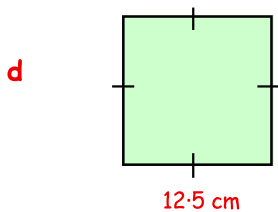
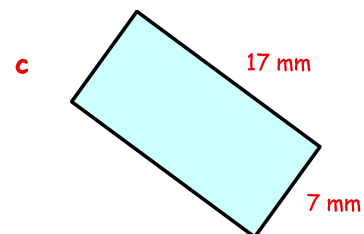
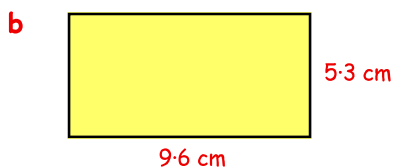
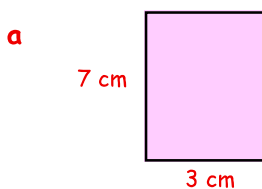
2. Calculate the **perimeter** of each of the following shapes :-



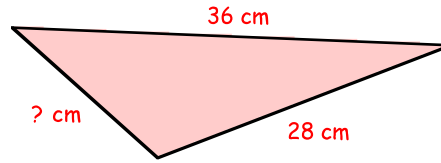
3. Calculate the **perimeter** of this rectangle.
(hint - it is **not** 7.8 cm + 3.9 cm).



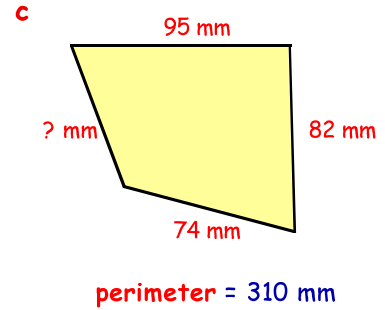
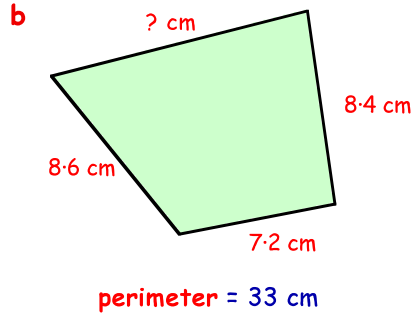
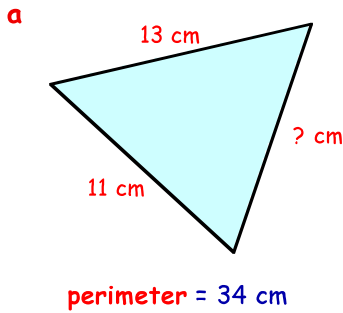
4. Calculate the **perimeter** of each of these rectangles :-



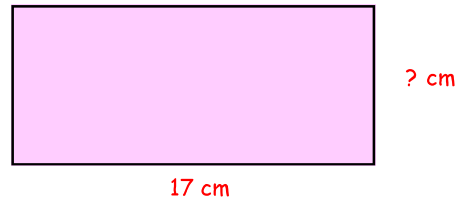
5. This triangle has a **perimeter** of 83 centimetres.
Calculate the length of the third side.



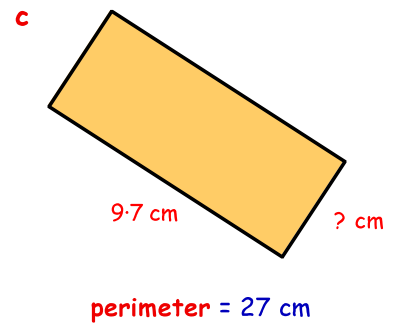
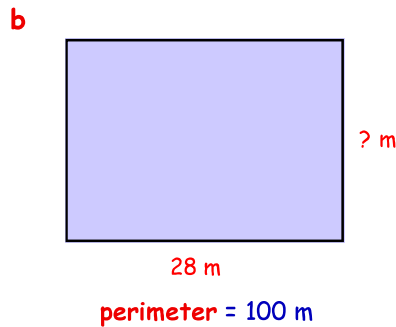
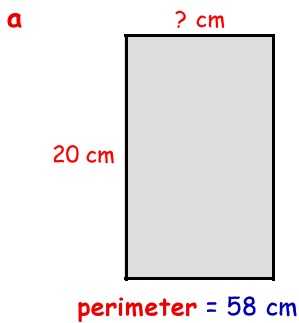
6. Calculate the lengths of the missing sides of the following figures :-



7. The **perimeter** of this rectangle is 52 cm.
Calculate the missing side of the rectangle.

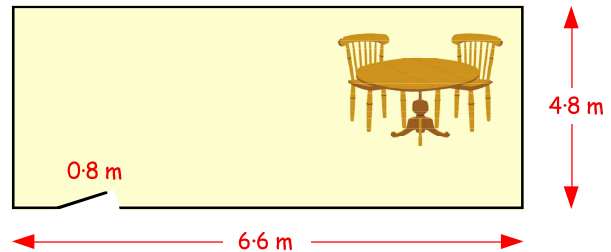


8. Calculate the size of the missing side in each of these rectangles :-



9. Shown is the floor of the Jones' dining room.

- a Calculate the **perimeter** of the floor.
b How much will it cost to surround it with new skirting board costing £2.50 per metre?
(The door is 0.80 metre wide and is not included).



10. Farmer Frolick has a rectangular field.
He surrounds it with 3 strands of barbed wire.
The wire costs 40p per metre.
Calculate the total cost of the wire.

