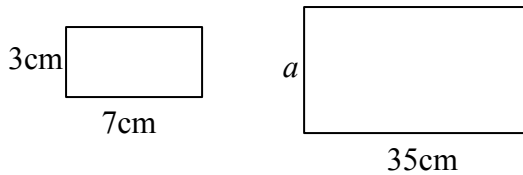


**SIMILAR FIGURES**

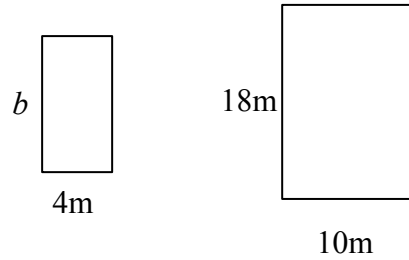
**CALCULATOR**

1) If the pairs of rectangles are similar then calculate the missing lengths below.

a)

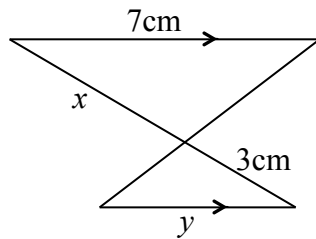


b)

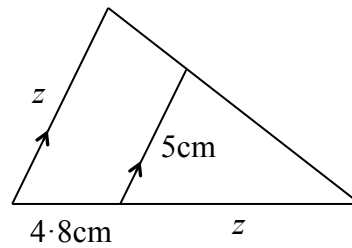


2) Calculate the missing lengths in these shapes

a)

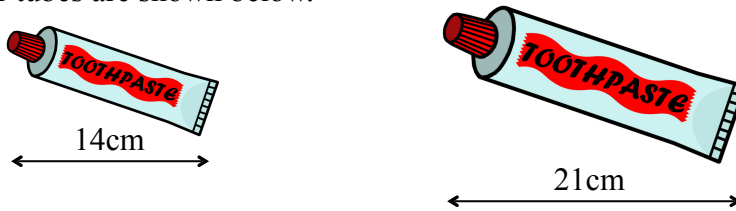


b)



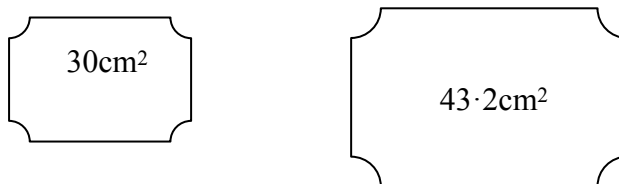
3) John has two similar buckets. One has a height of 30cm and the other has a height of 50cm. If the small bucket can hold 20 litres, how many litres can the big bucket hold?

4) The price of a tube of toothpaste is proportional to the volume of toothpaste. Two similar tubes are shown below.



If the large tube costs £4.05, what is the price of the small tube?

5) The areas of two similar shapes are shown below.



If the height of the small shape is 12cm, what is the height of the large shape?