

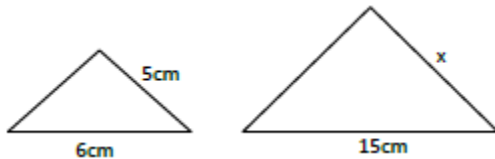


Show all working – NO Calculator allowed unless stated.

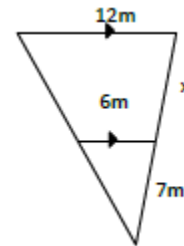
Marks

1. Calculate the value of x in each of the following:

a)

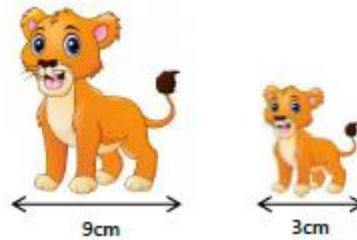


b)



(6)

2. The following images are mathematically similar. The area of the larger picture is 117cm^2 . Calculate the area of the smaller picture.



(3)

3. A company rents out skips.

The cost is based on the volume of the skip.

The rental price for the small skip is £80.

How much would it cost to hire the large skip?



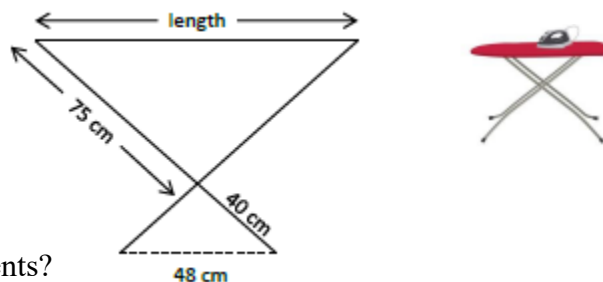
(3)

4. Robert wants to order an

ironing board that is at least 80cm in length.

When the following board is set up two similar triangles are formed.

Does this board meet Robert's requirements?



(3)

Total Marks: 15