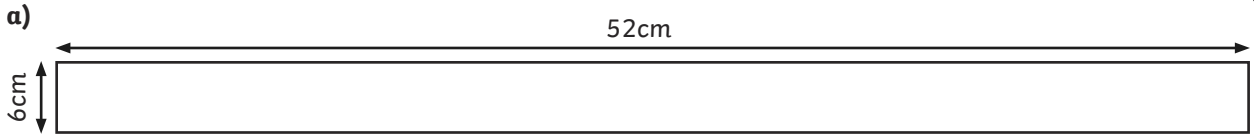
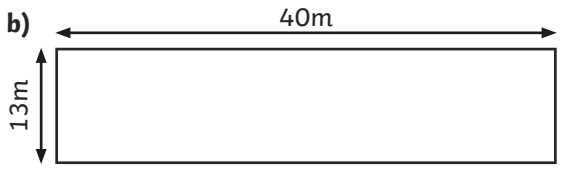
1) Calculate the area of the following rectangles:

a)



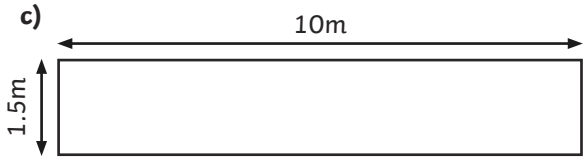
area = _____

b)



area = _____

c)



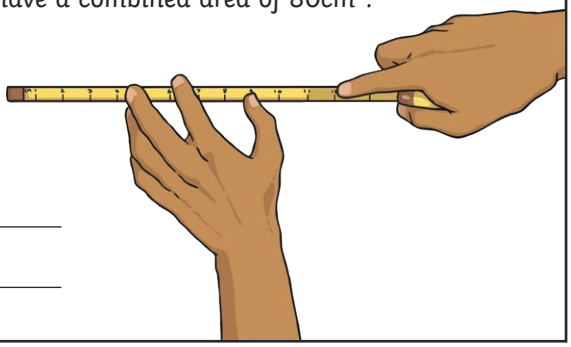
area = _____

2) Draw 3 different rectangles with an area of 30cm^2 on squared paper and label the lengths of their sides.

1) Tick the correct statements. Correct the incorrect statements.

- ◯ If a square and a rectangle whose sides are not all equal have the same area, they will have the same perimeter.
- ◯ A square can never have an area greater than $9cm^2$ but less than $16cm^2$.
- ◯ If I cut an $80cm^2$ rectangle into 2 new rectangles, they will have a combined area of $80cm^2$.

2) A rectangle has an area of $108cm^2$.
The long sides are three times longer than the short sides.
Find the lengths of the sides.



_____

_____

1) Here is the layout of one floor of a house not drawn to scale.

Use the clues below to work out the area of each room and the total area of this floor of the house.

- The garage and the kitchen are identical rectangles.
- The whole house is 20m long and 15m wide.
- The garage has walls of 15m and 4m.
- The living room is a square.

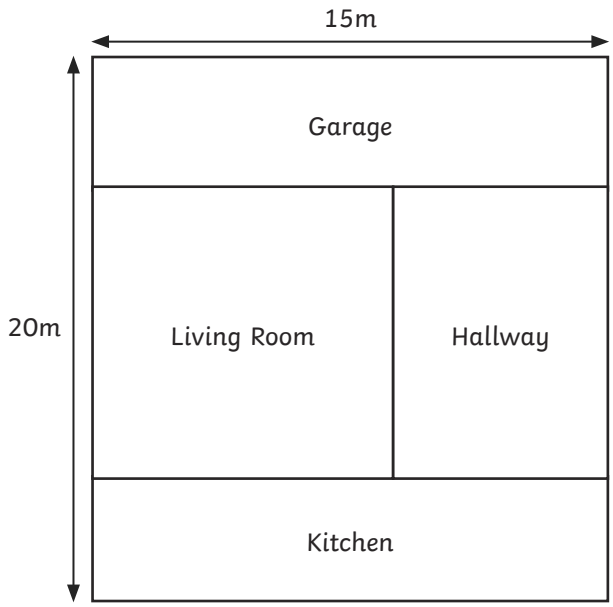
Garage: _____

Living Room: _____

Hallway: _____

Kitchen: _____

Total Area: _____



2) Investigate a different way of dividing up the house into four rooms. The length and width of the whole house and its total area should be the same as in question 1. Write some clues for a friend to solve.