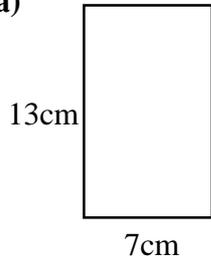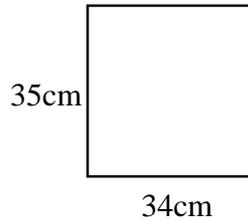# National 4 Lifeskills Mathematics
Practice Unit Assessment
Geometry and Measures 4

1) Calculate the area of the following rectangles.

a)

13cm

7cm

b)

35cm

34cm

c)

26cm

12cm

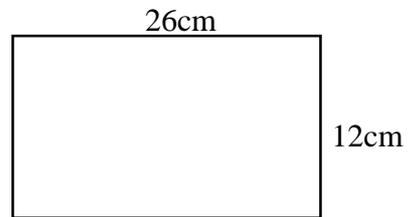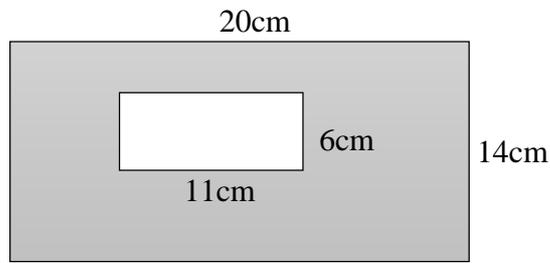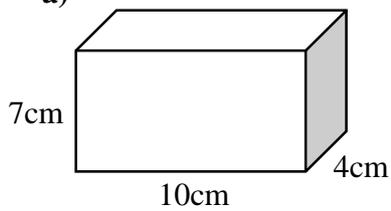**2)** Below is a rectangular piece of metal with a rectangle cut out. Calculate the area of the metal.

20cm

6cm

14cm

11cm

3) Calculate the volume of these cuboids.

a)

7cm

10cm

4cm

b)

13cm

12cm

21cm

c)

32cm

86cm

39cm
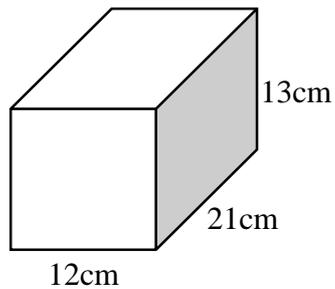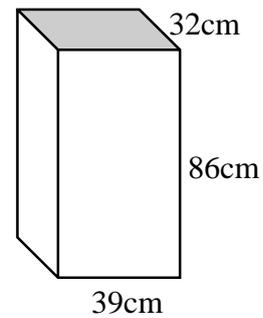
4) Mary is planning to wallpaper her bedroom wall as shown below.


1·4m

2m

2m

1·8m

2·5m

9·5m
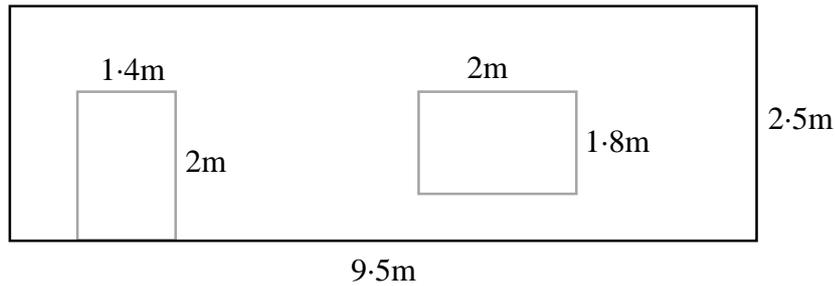
She does not want to wallpaper the door or window.

a) Calculate the total area of wall to be wallpapered.

b) If one roll of wallpaper covers 5 square metres, how many rolls of wallpaper will Mary need to wallpaper her wall?

c) If one roll of wallpaper costs £12·50, how much will Mary need to spend to buy all the rolls that she needs?

5) Below is a fish tank in the shape of a cuboid.

45cm

40cm

95cm
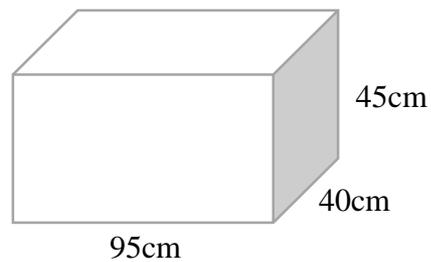
a) Calculate the volume of the fish tank.

b) How many litres of water are needed to fill the tank? (1 litre = 1000cm^3)

c) If the tank is to be filled by a jug with a volume of 3 litres, how many jugfulls are needed to fill the tank?