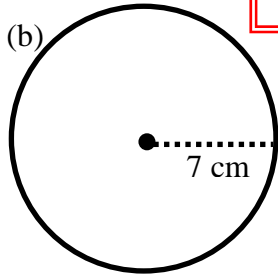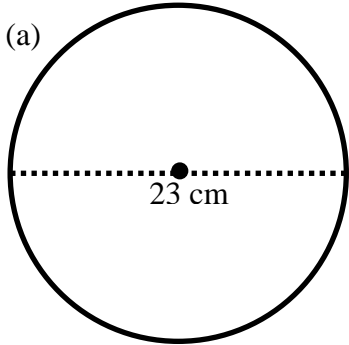1. Complete all calculations below **without a calculator**. *__Show all working!__*

   (a) 18.54 +0.61– 5.3   (b) 3.36×70   (c) 5% of £4.80

   [4]

2. For each of these circles calculate:- (i) the circumference
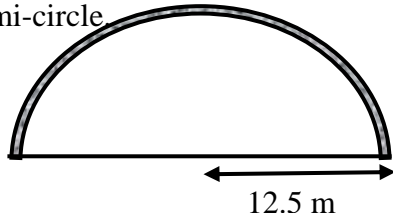   (ii) the area.
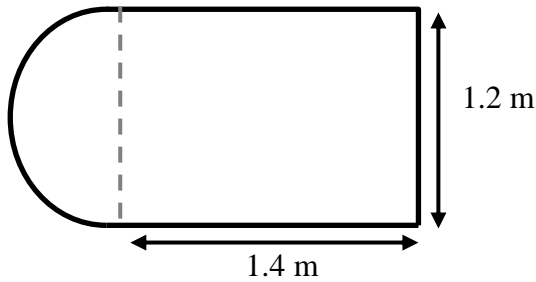
   Remember
   $\pi = 3.14$

   (a)

   23 cm

   (b)

   7 cm

   [12]

3. The path around a garden is in the shape of a semi-circle.
   The radius of the semi-circle is 12.5 metres.
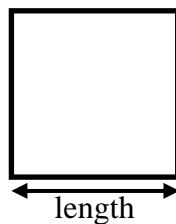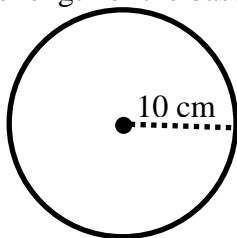   Calculate the length of the path.

   12.5 m   [4]

4. The base of a lift is in the shape of a rectangle with a semi circular end as shown.

   1.2 m

   1.4 m

   Calculate the area of the base of the lift.   [5]

5. The base of a round cake tin has the same area as the base of a square cake tin.
   The round cake tin has a radius of 10 centimetres.
   What is the length of the base of the square cake tin?

   10 cm

   length   [4]