

1. Here is a rectangle. {lengths can be in mm or cm or m or km}



6 cm

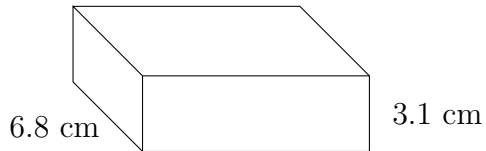
Diagram NOT  
accurately drawn

15.3 cm

Work out the area of the rectangle.

2. This diagram shows a cuboid.

(a)



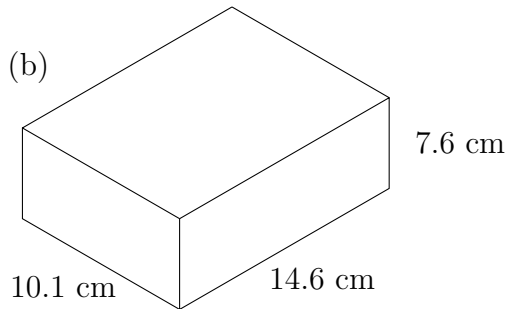
6.8 cm

7.7 cm

3.1 cm

Diagram NOT  
accurately drawn

(b)



10.1 cm

14.6 cm

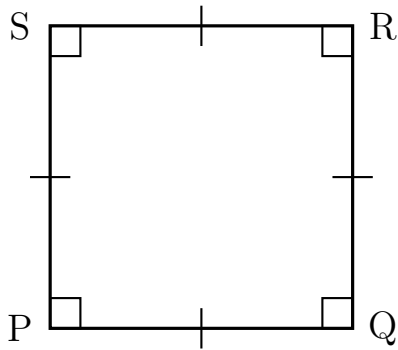
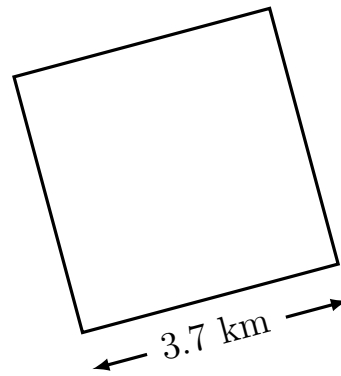
7.6 cm

Work out the volume of the cuboid.

Give your answer correct to 1 decimal place. {or nearest 1000, 100, 10 or  $\text{cm}^3$ }

3. (a) In the diagram  $QR = 19 \text{ cm}$

- (b) Here is a diagram of a square

Diagram NOT  
accurately drawn

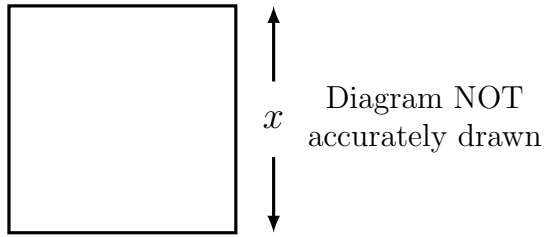
- (a) Work out the area of PQRS.

- (b) Work out the area of the square

- (c) A square has side length 200 m

Work out the area of the square.

4. Here is a square with a perimeter of 400 mm.



Work out the length  $x$

5.

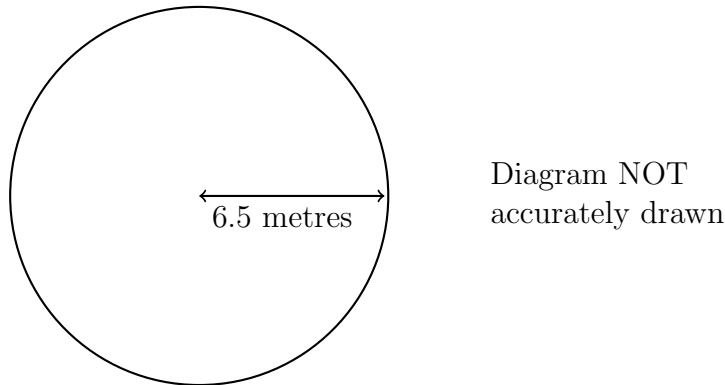
5. **not written yet**

6. (a) The radius of a circle is 14.1 km.

Work out the area of this circle in  $km^2$ .

Give your answer correct to the nearest whole number.

- (b) Here is the plan view of a circus ring, which is in the shape of a circle.



The radius of the circus ring is 6.5 metres.

Work out the area of the circus ring.

Give your answer correct to the nearest whole number.

7.

7. **not written yet**

8. (a) A circle has a diameter of 28.2 km.

Work out the circumference of the circle in kilometres.

Give your answer correct to 1 decimal places.

- (b) Here is a plan view of a circus ring.

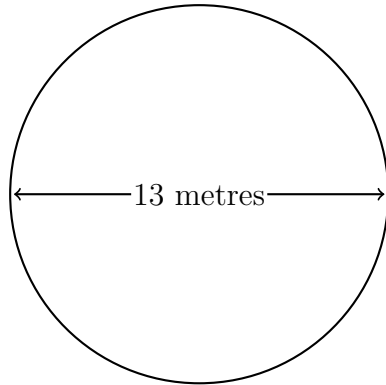


Diagram NOT  
accurately drawn

The circus ring is in the shape of a circle.

The diameter of the circus ring is 13 metres.

Work out the circumference of the circus ring.

Give your answer correct to 2 decimal place.

9.

9. **not written yet**

10. Here is a square PQRS with an area of  $1.96 \text{ m}^2$

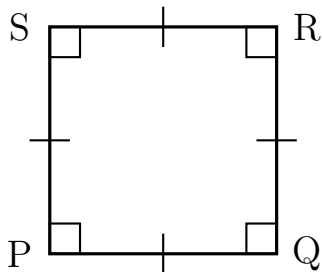


Diagram NOT  
accurately drawn

Work out the length of PQ