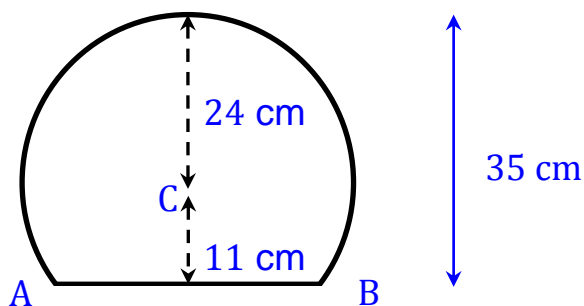


Exercise A

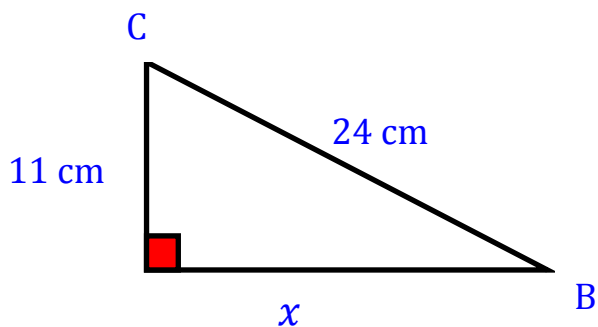
1. 11.7
2. 26
3. 33.2
4. 1265.9 m

Exercise B

1. 12.4
2. $24^2 = 8^2 + x^2$
 $8^2 + x^2 = 24^2$
 $x^2 = 24^2 - 8^2$
 $x = \sqrt{24^2 - 8^2} = 22.6$
3. 30.7
4. 17.7
5. If the radius is 24 cm then any line drawn from the centre to the circumference will be 24 cm:



We can now draw a right-angled triangle:



$$11^2 + x^2 = 24^2$$

$$x = \sqrt{24^2 - 11^2}$$

$$x = 21.33 \text{ cm}$$

The total length $AB = 2 \times 21.33 = 42.7 \text{ cm}$ (1 d.p.)