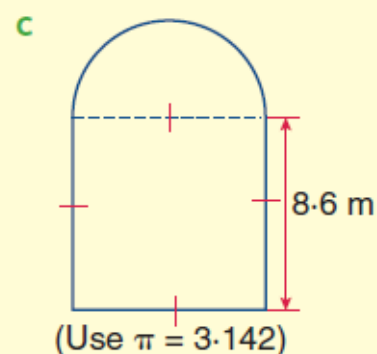
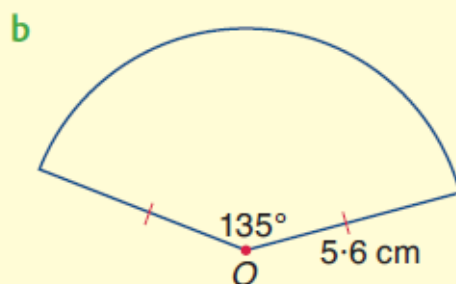
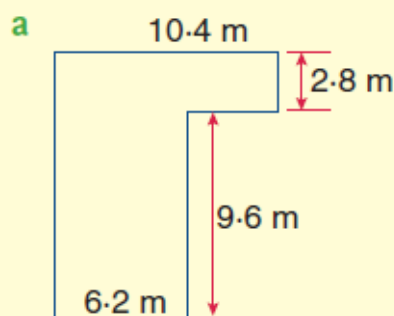


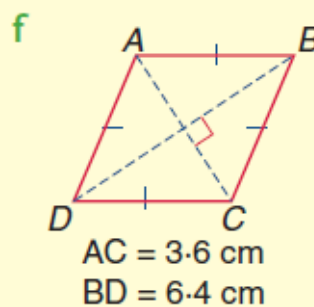
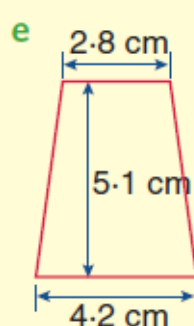
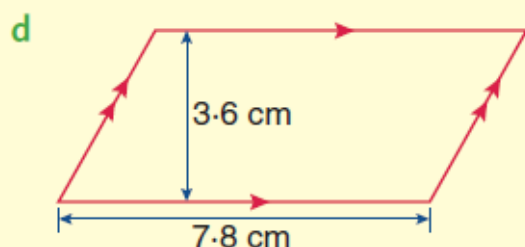
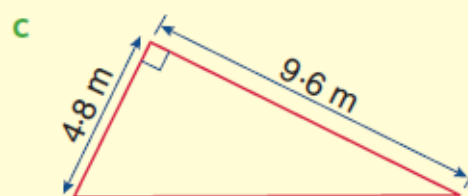
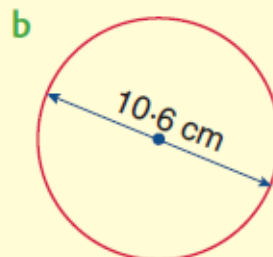
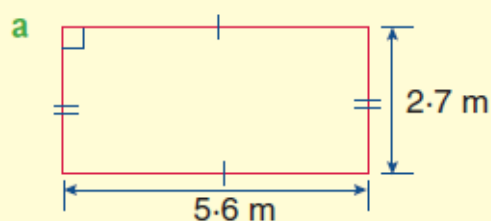
1:07 | Measurement

Exercise 1:07

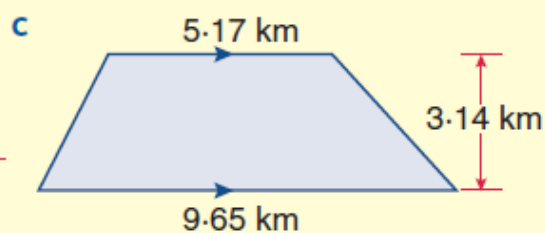
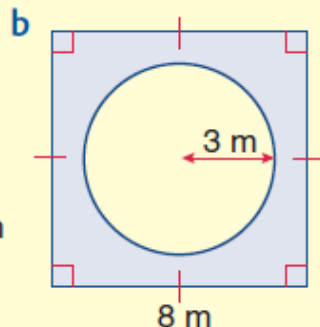
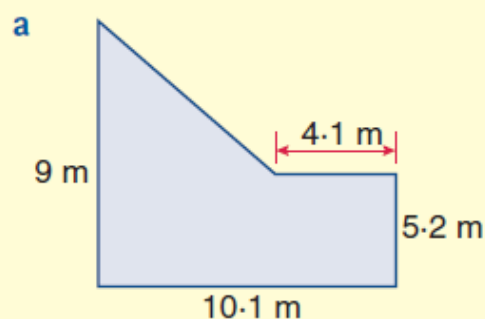
1 Find the perimeter of the following figures. (Answer to 1 dec. pl.)



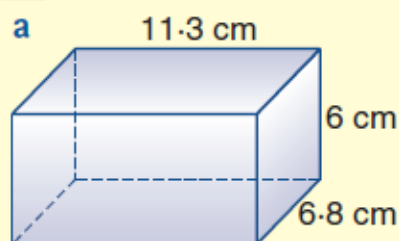
2 Find the area of each plane shape. (Answer to 2 dec. pl.)



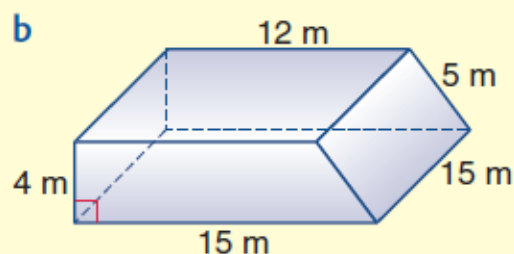
3 Find the area of the following shaded figures (correct to 3 sig. figs.).



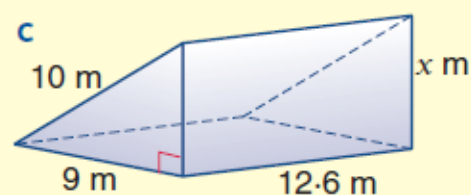
4 Find the surface area of the following solids.



Rectangular prism

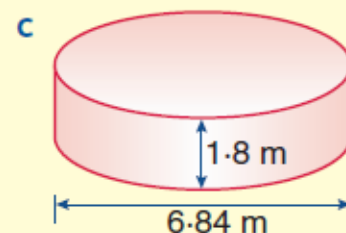
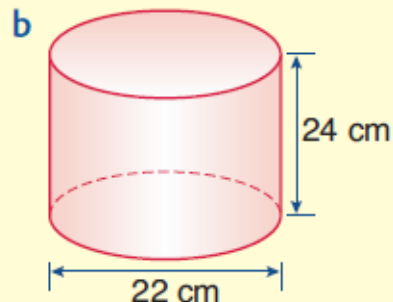
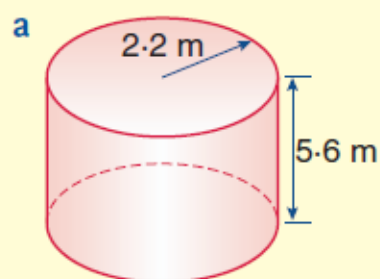


Trapezoidal prism



Triangular prism
(Note: Use Pythagoras' theorem to find x).

5 For each of the following cylinders, find **i** the curved surface area, **ii** the area of the circular ends, and **iii** the total surface area. (Give answers correct to two decimal places.)



6 Find the volume of each prism in question 4.

7 Find the volume of each cylinder in question 5.

Answers:

- 1 a 45.6 m b 13.2 cm c 39.3 m
 2 a 15.12 m² b 88.25 cm² c 23.04 m² d 28.08 cm² e 17.85 m² f 11.52 m²
 3 a 63.9 m² b 35.7 m² c 23.3 km²
 4 a 370.88 cm² b 648 m² c 333.55 m² (approx.)
 5 a i 77.41 m² ii 30.41 m² iii 107.82 m² b i 1658.76 cm² ii 760.27 cm² iii 2419.03 cm²
 c i 38.68 m² ii 73.49 m² iii 112.17 m²

6 a 461.04 cm³ b 810 m³ c 247.15 m³ (approx.)

7 a 85.15 m³ (to 2 dec. pl.) b 9123.19 cm³ (to 2 dec. pl.) c 66.14 m³ (to 2 dec. pl.)