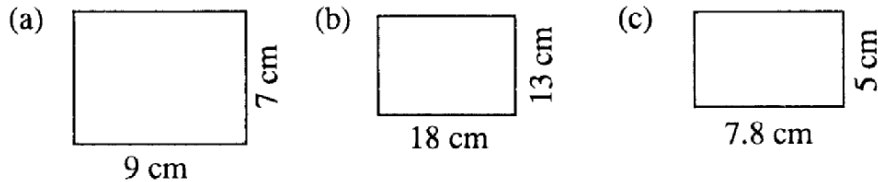


Measurement

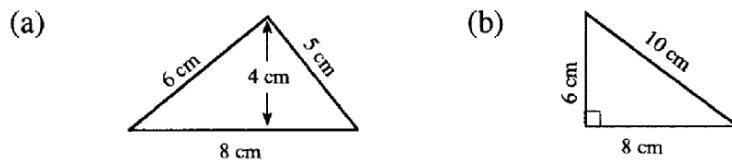
Q1. Convert the measurements below to the units indicated:

(a) $6.7 \text{ cm} = \square \text{ mm}$ (b) $500 \text{ m} = \square \text{ km}$ (c) $45 \text{ mm} = \square \text{ cm}$

Q2. Find the perimeter and areas of the rectangles below:

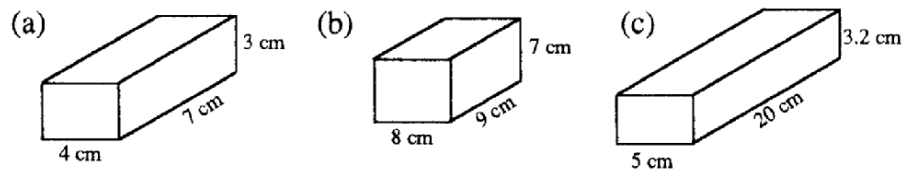


Q3. Find the perimeter and areas of the triangles below:



Q4. (a) $3.5 \text{ ha} = \square \text{ m}^2$ (b) $20\,000 \text{ m}^2 = \square \text{ ha}$ (c) $1000 \text{ m}^2 = \square \text{ ha}$

Q5. Find the volumes of the rectangular prisms shown below:



Q6. (a) $7000 \text{ g} = \square \text{ kg}$ (b) $3.2 \text{ kg} = \square \text{ g}$ (c) $4.5 \text{ L} = \square \text{ mL}$
(d) $4500 \text{ g} = \square \text{ kg}$ (e) $4.18 \text{ kg} = \square \text{ g}$ (f) $2500 \text{ mL} = \square \text{ L}$

Q7. Find the mass of the following amounts of water:

(a) $8 \text{ L} = \square \text{ kg}$ (b) $350 \text{ mL} = \square \text{ g}$ (c) $200 \text{ cm}^3 = \square \text{ g}$

Q8. Change the following times to 24-hour times:

(a) 6:43 am (b) 6:43 pm (c) 10:15 am (d) 5:03 pm

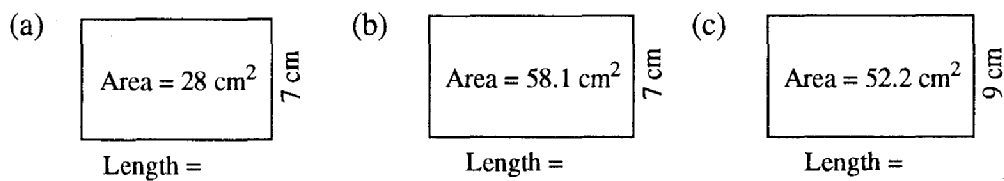
Q9. Change the following 24-hour times to am and pm:

(a) 1308 (b) 0830 (c) 0308 (d) 1803

Measurement

- Q1. Find:
- | | | |
|-------------------|------------------|------------------------------|
| (a) 30% of 2 m | (b) 0.75 of 8 kg | (c) 10% of 1 L |
| (d) 60% of 2 km | (e) 0.3 of 1 ha | (f) 0.25 of 1 h |
| (g) 30% of 1 day | (h) 0.7 of 2 cm | (i) $\frac{5}{6}$ of 3 years |
| (j) 0.125 of 3 kg | (k) 8% of 1 t | (l) $\frac{7}{8}$ of 1 L |

- Q2. Find the lengths of the following rectangles if you are given the breadth and area of each:



- Q3. (a) How many cm in 1 m?
(b) How many cm^2 in 1 m^2 ?
(c) How many cm^3 in 1 m^3 ?

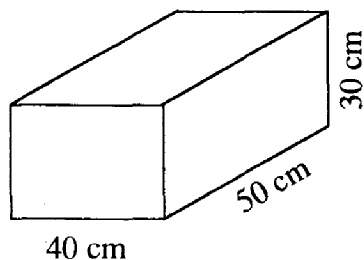
Hint: Draw some square diagrams

- Q4. The volume of a cube (rectangular prism with all sides equal) is 512 cm^3 . What is the surface area of the cube?

- Q5. What is the rise in temperature from:

- (a) 15°C to 39°C (b) -7°C to 28°C (c) -32°C to -15°C

- Q6.



The rectangular prism tank on the left is to be filled with water from a hose at the rate of 30 mL/second. How long will it take to fill the tank in minutes and seconds?

- Q7. Find the circumference of the following circles using $\pi \approx \frac{22}{7}$:

- (a) Diameter 7 cm (b) Diameter 21 cm (c) Radius 14 cm.