

# VOLUME OF PRISMS

## SKILLS QUESTIONS

### CAPACITY

Q1. State the units of capacity you would use to measure:

- (a) soda drink in a glass
- (b) water in a swimming pool
- (c) a dose of medicine
- (d) water in a bucket
- (e) milk in a baby's bottle

Q2. Who has the most drink - John with 12 cans containing 375 mL each, or Jane who has 5 bottles containing 1 L each?

Q3. Chandrika's swimming pool contains 20 000 L of water. How many kL is this?

Q4. A jug holds 1.5 L of milk. How many of such jugs are needed to hold 21 L?

Q5. Mandy drank  $\frac{3}{4}$  L of drink. How many mL is this?

Q6. Every morning a family drinks two 600 mL cartons of orange juice. Calculate the capacity of juice they drink in:

- (a) one week
- (b) one year.

Q7. A 600 mL bottle of lemonade costs \$1.20 and a 2 L bottle costs \$4.20. Which is the better buy?

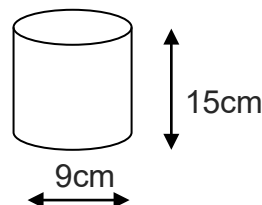
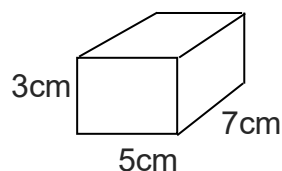
Q8. A dripping tap loses 1 mL of water every 10 seconds. Calculate the amount of water lost in:  
(a) 10 minutes                      (b) 1 hour                      (c) 1 day

Q9. If 1 cm<sup>3</sup> holds 1 mL of water, find the capacity of the following:

(a) a 6 cm cube

(b)

(c)



Q10. The capacity of a car's engine can be measured in litres or cubic centimetres (cc).

- (a) If a car's engine is said to be 2.4 L, how many cc is this?
- (b) Another engine has the capacity of 1600 cc. What is this in litres?



# ANSWERS

Q1. (a) mL

(b) kL

(c) mL

(d) L

(e) mL

Q2. Jane

Q3. 0.02

Q4. 14

Q5. 750

Q6. (a) 8.4L

(b) 436.8L

Q7. 600mL bottle

Q8. (a) 60mL

(b) 360mL

(c) 8640mL

Q9. (a) 216mL

(b) 105mL

(c) 953.78mL

Q10. (a) 2400cc

(b) 1.6L