

Exercise 7.1

answers on p. 428

1. Copy and complete the following.
 - (a) If a car travels 100 km in 4 hours, the rate of travel is ____ km/h.
 - (b) If one dozen eggs is sold for \$2.40, the rate is ____ cents per egg.
 - (c) If a tap fills a 450-litre tank with water in 1 hour, the water flows at the rate of ____ litres per minute.
 - (d) If \$24.00 is charged for 120 kWh of electricity consumed, the rate is ____ cents/kWh.

3. If a car travels 150 km on 15 l of petrol, what is the rate of petrol consumption in km/l? What is this rate in l/100 km?

5. If an aeroplane travels at a speed of 450 km/h, how many metres does it travel in 10 s?

7. Copy and complete the following.
 - (a) 30 km/h = ____ cm/s
 - (b) \$100 per km = ____ cents per m
 - (c) \$2.50 per litre = ____ cents per ml

9.
 - (a) If the average speed of a current is 1.5 m/s, find its speed in km/h.
 - (b) A train passes a station at 30 km/h. Find its speed in m/s.
 - (c) If water flows from a pipe at 200 cm/s, express the rate of flow in m/min.