

DIRECT PROPORTION

SKILLS QUESTIONS

Q1. If 20km on a map is shown as 5cm, what length on the map would stand for 5km?

Q2. A boat drifts downstream 12 km in 3 hours. How long will it take to drift 20 km?

Q3. The same boat has been drifting for 8 hours. How far would it have gone?



Q4. A car travels 360 km on 40L of petrol. How far would it go on 50L of petrol?

Q5. The same car has travelled 270 km, how much petrol would it have used?

Q6. Another car uses 50L of petrol on a 400 km trip. How much petrol would it use on a 320 km trip?

Q7. A 3m long beam has a mass of 18kg. How heavy will a 5m beam be?

Q8. If 20kg of meat cost \$50, how much will 12 kg cost?

Q9. If 12m of cloth cost \$30, how much would 8m cost?

Q10. If 6 shirts cost \$75, how much would 5 such shirts cost?

Q11. If 8kg of potatoes cost \$4.16, how much would 4 kg cost?

Q12. If 3 books cost \$17.25, how much would 2 books cost?

Q13. You buy 5m of rope for \$12.50. How much rope can you buy with \$7.50?

Q14. Water flows into a tank at the rate of 6L every 4 minutes. How many litres would flow into the tank in 7 minutes?

Q15. It takes 9.5kg of sugar to make 38kg of candy. At this rate:

(a) how much sugar is needed to make 68kg of candy?

(b) how many kg of candy can be made from 56kg of sugar?

ANSWERS

Q1. 1.25cm

Q2. 5h

Q3. 32km

Q4. 450km

Q5. 30L

Q6. 40L

Q7. 30kg

Q8. \$30

Q9. \$20

Q10. \$62.50

Q11. \$2.08

Q12. \$11.50

Q13. 3m

Q14. 10.5L

Q15. (a) 17kg
(b) 224kg