Unitary Method word problems

Read and answer each question:

1. Cost of 3 tomatoes is ₹45. Find cost of 7 tomatoes.

2. A train covers 900 km in 9 hours. What distance will it cover in 5 hours?

3. Cost of 7 laptops is One Lakh Forty Thousand Rupees. Find cost of 3 laptops.

4. Nancy earns ₹25,00,000 in 5 months. What is her annual salary?

5. Cost of 7 toys is ₹294. Find cost of 5 toys.

6. Rashi can walk 128km in 16 hours. What distance can she walk in 3 hours?

7. 5 bags carry 30 books. How many books can be carried by 8 such bags?

8. A rocket consumes 30 litres of fuel in 3 minutes. How much fuel will be consumed in 5 minutes?

9. A car factory produces 1505 cars in a week. How many cars will it produce in 30 days?

10. Aditya can read 60 pages in 5 minutes. How many pages can he read in 1 hour?

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Answers

1. Cost of 1 tomato = ₹45 ÷ 3 = ₹15
   Cost of 7 tomatoes = ₹15 x 7 = ₹85

2. Distance covered by train in 1 hour = 900km ÷ 9 = 100km.
   Distance covered in 5 hours = 100 x 5 = 500km

3. Cost of 1 laptop = ₹1,40,000 ÷ 7 = ₹20,000
   Cost of 3 laptops = ₹20,000 x 3 = ₹60,000

4. In 1 month Nancy earns 25,00,000 ÷ 5 = ₹5,00,000
   Annual salary = ₹5,00,000 x 12 = ₹60,00,000 (60 Lakh rupees)

5. Cost of 1 toy = 294 ÷ 7 = ₹42
   Cost of 5 toys = 42 x 5 = ₹210

6. In 1 hour = 128 ÷ 16 = 8km
   In 3 hours she can walk 8 x 3 = 24km.

7. (30 ÷ 5) x 8 = 48 books

8. Fuel consumed in 1 minute = 30 ÷ 3 = 10 litres
   Fuel consumed in 5 minutes = 10 x 5 = 50 litres

9. Cars produced in 1 day = 1505 ÷ 7 = 215 cars
   Cars produced in 30 days = 215 x 30 = 6450 cars

10. Aditya reads in 1 min = 60 ÷ 5 = 12 pages
    In 1 hour he can read 12 x 60 = 720 pages