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 \div 3 = ₹15 Cost of 7 tomatoes = ₹15 x 7 = ₹85
- 2. Distance covered by train in 1 hour = $900 \text{km} \div 9 = 100 \text{km}$. Distance covered in 5 hours = $100 \times 5 = 500 \text{km}$
- 3. Cost of 1 laptop = ₹1,40,000 \div 7 = ₹20,000 Cost of 3 laptops = ₹20,000 x 3 = ₹60,000
- 4. In 1 month Nancy earns $25,00,000 \div 5 = ₹5,00,000$ Annual salary = ₹5,00,000 x 12 = ₹60,00,000 (60 Lakh rupees)
- 5. Cost of 1 toy = 294 \div 7 = ₹42 Cost of 5 toys = 42 x 5 = ₹210
- 6. In 1 hour = $128 \div 16 = 8$ km In 3 hours she can walk $8 \times 3 = 24$ km.
- 7. $(30 \div 5) \times 8 = 48$ books
- 8. Fuel consumed in 1 minute = $30 \div 3 = 10$ litres Fuel consumed in 5 minutes = $10 \times 5 = 50$ litres
- 9. Cars produced in 1 day = $1505 \div 7 = 215$ cars Cars produced in 30 days = $215 \times 30 = 6450$ cars
- 10. Aditya reads in 1 min = $60 \div 5 = 12$ pages In 1 hour he can read $12 \times 60 = 720$ pages