



## Proportion worksheet

1. Determine if the following ratio form a proportion. 200 ml: 2.5 l = \$4: \$50

2. The first, second and third terms of the proportion are 42, 36, 35. Find the fourth term.

3. Find the fourth proportional of 6, 9 and 12.

4. 10 burgers cost \$30. What will 15 burgers cost?

Same \$

5. 8 vases cost \$40. How much do 20 plates cost?

$$8 \div 40 = 5 \times 4 = 20$$

6. Rachel earned \$34 in 4 hours at her job today. She wants to know how much she could earn tomorrow if she works 10 hours at the same hourly rate. How much will Rachel earn in 10 hours?

$$34 \div 4 = 8.5 \times 10 = 85$$



7. Judy's office recycled a total of 6 kilograms of paper over 3 weeks. How many weeks will it take Judy's office to recycle a total of 14 kilograms of paper?

$$6 \div 3 = 2 \times 7 = 14 \quad \boxed{7}$$

8. Osman loves cheese burgers. He enters a 24-hour cheese burger eating contest. During the contest Osman eats a cheese burger every 15 minutes. How many cheese burgers will he eat during the entire contest?

$$15 \times 4 = 60 = 1h \quad \text{<did he win?>}$$
$$4 \times 24 = \boxed{96}$$

9. In a mixture of 45 liters, the ratio of sugar solution to salt solution is 1:2. What is the amount of sugar solution to be added if the ratio has to be 2:1?

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10. Mr. Jose divided his money in the ratio 6:2 between his two sons. His first son got the smaller amount of \$156. How much did his second son receive?

$$156 \times 3 = 468$$