

STUDY LINK
12•5

Ratio Problems



Find the missing number.

1. $\frac{1}{5} = \frac{x}{40}$ $x =$ _____

2. $\frac{2}{3} = \frac{16}{y}$ $y =$ _____

3. $\frac{5}{6} = \frac{m}{54}$ $m =$ _____

4. $\frac{1}{4} = \frac{15}{n}$ $n =$ _____

5. $\frac{5}{8} = \frac{f}{32}$ $f =$ _____

6. $\frac{13}{50} = \frac{g}{100}$ $g =$ _____

Write a number model for each problem. Then solve the problem.

7. Of the 115 students in the sixth grade, 2 out of 5 belong to the Drama Club. How many students are members of the Drama Club?

Number model: _____ Answer: _____
 (unit)

8. Three out of 4 students at Highland School ordered a hot lunch today. There are 156 students at the school. How many students ordered a hot lunch?

Number model: _____ Answer: _____
 (unit)

9. Gina and the other members of her troop sell cookies for \$3 a box. For each box they sell, the troop earns \$1.50. One week, Gina's troop sold \$90 worth of cookies. How much did the troop earn?

Number model: _____ Answer: _____

10. 30% of the tickets sold by a movie theater for the Friday night show were children's tickets at \$4 each. The rest of the tickets were sold at the full price of \$8.50. The movie theater collected \$360 just for the children's tickets. How many tickets did they sell in all?

Number model: _____ Answer: _____
 (unit)

Practice

11. $6^3 =$ _____

12. $3^6 =$ _____

13. $6^3 * 10^2 =$ _____