

Unit 9: Putting It All Together

PRACTICE

Name: _____ Date: _____

Solve each problem and write your answer in the space provided. Show your work when needed.

1. A recipe uses 3 cups of flour for every 2 cups of sugar. At this rate, how many cups of flour are needed for 10 cups of sugar?

Answer: _____

3. y is proportional to x , and $y = 45$ when $x = 9$. What is the constant of proportionality k ?

Answer: _____

5. Evaluate: $(-3/4) + (1/2)$.

Answer: _____

7. Evaluate: $-18 \div (-3) \times 2$.

Answer: _____

9. Solve for x : $2(x - 4) = 10$.

Answer: _____

11. A shirt is marked up 20% from its wholesale cost of \$35. What is the selling price in dollars?

Answer: _____

2. The cost of 4 notebooks is \$6.00. At the same unit rate, what is the cost in dollars of 7 notebooks?

Answer: _____

4. Evaluate: $-8 + 15 - (-6)$.

Answer: _____

6. Evaluate: $(-2/5) \times (10/3)$.

Answer: _____

8. Solve for x : $3x + 7 = 22$.

Answer: _____

10. Solve for x : $-5x + 3 = 18$.

Answer: _____

12. A map has a scale where 1 inch represents 25 miles. Two cities are 4.5 inches apart on the map. How many miles apart are they in real life?

Answer: _____