



Grade: Grade 7 · Mathematics

Proportional Relationships Mission

Focus: Ratios · Proportions · Real-World Math

1. A pack of 6 bottles costs \$12. What is the unit rate?
2. If 3 pencils cost \$1.50, how much for 10 pencils?
3. A map uses $1 \text{ cm} = 50 \text{ m}$. What does 3 cm represent?
4. Write the ratio $4 : 6$ in simplest form.
5. A smoothie recipe uses 2 cups yogurt for 3 cups fruit. Scale for 9 cups fruit.
6. Complete the proportion $5 : x = 10 : 12$.
7. Is $8 : 12$ equivalent to $2 : 3$?
8. Write your own word problem involving proportion.
9. Solve for x : $4/x = 2/6$.
10. Create a small table showing proportional values.

Tutoring Tip:

Use cooking or shopping examples to connect ratio concepts to daily life.