



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 cm = 50 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: $4x = \frac{2}{6}$.
10. Create a small table showing proportional values.

Tutoring Tip:

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