



Multi-Step Challenge Problems

Grade 5

Name: _____

Write equation, then solve using order of operations.

Example: A store has 5 boxes with 6 toys each. They sell 8 toys. Equation: $5 \times 6 - 8 = 30 - 8 = 22$ toys

- (1) A grocery store received 450.75 kg of oranges. They sold 185.5 kg on Monday and 120.25 kg on Tuesday. How many kilograms of oranges are left?
- _____
- (2) A farmer planted 7.5 acres of strawberries. Each acre yielded 2500.5 pounds. If he sold 12000 pounds, how many pounds of strawberries does he have left?
- _____
- (3) A bookstore ordered 6 copies of a new novel, each costing \$22.99. They also spent \$85.50 on a new display stand. What was their total cost?
- _____
- (4) A car traveled 320.5 miles. It used 0.15 gallons of gas for every mile. If the gas tank started with 50 gallons, how many gallons are left?
- _____
- (5) A construction project needed 12.5 cubic yards of concrete. They received 3 deliveries, each with 3.2 cubic yards. How many more cubic yards of concrete do they still need?
- _____



(6) A bakery uses 1.75 cups of sugar for each batch of muffins. They made 15 batches. If they started with 40 cups of sugar, how much sugar is remaining?

(7) A fabric store had a bolt of cloth that was 25.5 meters long. A customer bought 3 pieces, each 4.25 meters long. How much cloth is left on the bolt?

(8) A school fundraiser sold 250 tickets at \$8.75 each. They also received a \$500.00 donation. What was the total amount of money raised?

(9) Maria had \$1500.25 in her savings account. She deposited \$75.50 each month for 4 months. How much money does she have now?

(10) A company shipped 8 packages, each weighing 12.75 kg. The shipping cost is \$2.50 per kilogram. What was the total shipping cost?

