

11. Mixed Application — Worksheet C

Name: _____ **Class:** _____ **Date:** _____

Before solving, label the part, whole, percent, and missing quantity.

1. A store sold 75% of 160 tickets. How many were sold?

2. Fifty-four students are in Grade 8. That is 30% of the school. How many students are in the school?

3. A player made 18 of 24 shots. What percent did the player make?

4. A student says 20% of what number is 8, so the answer is 8×0.20 . Explain the mistake.

5. A class has 40 students. Twelve are absent. What percent is absent?

6. A charity has collected \$360, which is 45% of its goal. What is the goal?

7. A discount is 30% of an original price of \$80. What is the discount amount?

8. A student earns 27 points out of 36. What percent is the score?

9. Create one problem for each type: missing part, missing whole, and missing percent.

10. Explain how the three problems in Question 9 use the same relationship but different operations.

11. **What matters and what doesn't:** A charity collected \$450 over 6 hours, with 12 volunteers helping. This was 30% of its fundraising goal. What is the goal? Which details in this problem were not needed to answer it?

12. **Reconstruct the situation:** The equation $45 = 0.60 \times 75$ represents a real percent situation. Write a context for it, and identify which number is the part, which is the percent, and which is the whole.
