

Worksheet 02: Percent, Ratios, and Rates

Harder percentage and ratio practice with answer lines after every item.

Part A: Percent Operations

1. A class goal is 240 total practice problems. They complete 156. What percent of the goal is complete, and what percent remains?

Show your work / final answer:

2. A uniform item costs \$64 before tax. It is discounted 20%, then taxed 8.75%. What is the final price?

Show your work / final answer:

3. A group improves its average run time from 14 minutes to 11.9 minutes. What is the percent decrease?

Show your work / final answer:

4. A supply box contains bandages and tape in a 5:3 ratio. If there are 96 total items, how many are bandages?

Show your work / final answer:

5. A map scale says 1 inch = 2.5 miles. A route measures 6.8 inches. How many miles is the route?

Show your work / final answer:

Extra workspace / final response:

Part B: Mixed Challenge

6. A group needs 420 points to pass a challenge. They earned 72% on the first attempt. How many additional points do they need?

Show your work / final answer:

7. Explain the difference between a ratio and a rate using an example from this worksheet.

8. Write a percentage problem that would have an answer greater than 100%. Solve it.

Show your work / final answer:

Extra workspace / final response:
