

Problem set - percents - 1

Name: _____ Date: _____

Solve each problem. Show all of your work. You may use a calculator and notes.

1. Write the decimal as a percent.

(a) 0.75

(d) 23.4

(b) 0.8

(e) 2.008

(c) 4.00

(f) 0.075

2. Write the percent as a decimal.

(a) 5%

(c) 91.5%

(b) 252%

(d) $99\frac{9}{10}\%$

3. Write the fraction as a percent rounded to the nearest tenth of a percent.

(a) $\frac{7}{10}$

(d) $\frac{1}{9}$

(b) $\frac{1}{3}$

(e) $\frac{3}{200}$

(c) $\frac{5}{8}$

(f) $2\frac{1}{2}$

4. Write the percent as a proper fraction in lowest terms, or as a mixed number in lowest terms.

(a) 2%

(d) 0.25%

(b) 35%

(e) 350%

(c) 99%

(f) $62\frac{1}{2}\%$

5. What is twelve percent of sixty kilograms?

6. Find to the nearest hundredth 9.5% of 73.
7. To the nearest cent, what is one hundred twenty-eight percent of \$1,645.00?
8. If 0.2% of 120,000 parts is defective, how many parts are defective?
9. Twelve kilograms is what percent of one hundred ninety-two kilograms?
10. What percent of 120 is 60?
11. Sixteen dollars is what percent of four dollars?
12. To the nearest tenth of a percent, what percent of 78 ounces is 63 ounces?
13. Fifty percent of what number is fifteen?
14. 110 is what percent of 100?
15. To the nearest hundredth of a percent, 100 is what percent of 110?