

**Unit 2 Review - worksheet #2**

Write each decimal as a fraction in simplest form.

1. 0.75

1. \_\_\_\_\_

2. 0.4

2. \_\_\_\_\_

Write each fraction as a decimal.

3.  $\frac{4}{5}$

3. \_\_\_\_\_

4.  $\frac{1}{25}$

4. \_\_\_\_\_

Write each percent as a fraction in simplest form.

5. 32%

5. \_\_\_\_\_

6. 48%

6. \_\_\_\_\_

Write each fraction as a percent.

7.  $\frac{7}{20}$

7. \_\_\_\_\_

8.  $\frac{1}{5}$

8. \_\_\_\_\_

Write each percent as a decimal.

9. 12%

9. \_\_\_\_\_

10. 64%

10. \_\_\_\_\_

Write each decimal as a percent.

11. 0.85

11. \_\_\_\_\_

12. 0.73

12. \_\_\_\_\_

Replace each  $\otimes$  with  $<$ ,  $>$ , or  $=$  to make a true statement.

13.  $\frac{2}{3} \otimes \frac{3}{5}$

14.  $\frac{1}{8} \otimes \frac{1}{4}$

13. \_\_\_\_\_

14. \_\_\_\_\_

Find the percent of each number.

15. 6% of 38

15. \_\_\_\_\_

16. 115% of 212

16. \_\_\_\_\_

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Demonstrate your knowledge by giving a clear, concise solution to each problem. Be sure to include all relevant drawings and justify your answers. You may show your solution in more than one way or investigate beyond the requirements of the problem. If necessary, record your answer on another piece of paper.

1. A store is marking down clothing 30% for the back-to-school sale.
  - a. Tell how to write a percent as a fraction and as a decimal.
  - b. Estimate the amount taken off of a jacket regularly priced \$44. Explain your reasoning.
2. Use the table that shows average winter monthly rainfall.

Portion of Month with Precipitation		
Month	River City	Lakeview
November	$\frac{3}{8}$	40%
December	$\frac{1}{8}$	32%
January	$\frac{1}{2}$	38%

- a. Write River City's rainfall as a percent for each month. Show your work.
  - b. Write Lakeview's rainfall for November and December as decimals. Compare each month to River City's rainfall for November and December.
3. Tell how to write a fraction as a percent.