

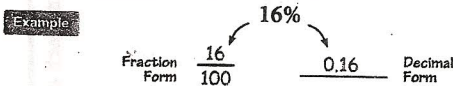
Express each phrase as a rate and unit rate.
(Round your answer to the nearest hundredth.)

- 9) 6 calculators cost \$180.00
- 10) 7 pencils for 16 dollars
- 11) 7 batteries cost 17 dollars
- 12) 11 inches of snow in 4 hours

Rate	Unit Rate
_____	_____
_____	_____
_____	_____
_____	_____

Fraction Form OR Decimal Form

Instructions: Write the fraction form and decimal form of each percent.



<p>28%</p> <p>_____</p>	<p>41%</p> <p>_____</p>
<p>54%</p> <p>_____</p>	<p>2%</p> <p>_____</p>
<p>4%</p> <p>_____</p>	<p>95%</p> <p>_____</p>
<p>80%</p> <p>_____</p>	<p>164%</p> <p>_____</p>
<p>73%</p> <p>_____</p>	<p>233%</p> <p>_____</p>

L1 - Solving Percent Problems using Proportions Worksheet

Name: _____
Date: _____ Section: _____

REMEMBER:

- "OF" number is always behind the word of
- "%" number is the number with the percent sign
- "IS" number will be in front of the word is or behind the word is

PROPORTION

$$\frac{\text{is}}{\text{of}} = \frac{\%}{100}$$

Write a proportion and then solve it for each problem. Be sure to show all the steps for solving a proportion. If necessary, round answers to the nearest tenth.

- | | |
|------------------------------|----------|
| 1. What number is 70% of 45? | 1. _____ |
| 2. 23% of 75 is what number? | 2. _____ |
| 3. 45 is what percent of 90? | 3. _____ |
| 4. What percent of 77 is 7? | 4. _____ |
| 5. 15 is 25% of what number? | 5. _____ |
| 6. 18% of what number is 43? | 6. _____ |

Statistical Questions

- a. How many days are in March?
- b. How old is your dog?
- c. On average, how old are the dogs that live on this street?
- d. What proportion of the students at your school like watermelons?
- e. Do you like watermelons?
- f. How many bricks are in this wall?
- g. What was the temperature at noon today at City Hall?

