

Name: _____

Unit Test Review 1

Find the Unit Price (round to the nearest cent):

1. \$63.34 for 5 oz.

2. \$15.00 for 8 apples.

3. 4 lb.s for \$5.15

Find the Better Buy (show work):

4. Canned Corn: \$4.15 for 16 oz. or \$10.15 for 34 oz.

For Question 5, create a price graph to determine which brand of chocolate has the lowest and highest unit price.

5. Hershey's: 9 oz. for \$1.49

Cadbury: 12.2 oz for \$3.98

Toblerone: 8.4 oz for \$2.22

6. The price of one dozen muffins is \$12.50 at Yummy's Market. If you buy them one at a time, the price is \$1.75 each. Zeena needs 8 muffins. Which would be cheaper: buying 8 or one dozen muffins?

Explain.

7) What's the definition of a proportion? _____

Is each a proportion?

8) $\frac{13}{18} = \frac{39}{54}$

9) $\frac{4}{9} = \frac{7}{12}$

Solve Each Proportion

10. $\frac{4}{9} = \frac{10}{x}$

11. $\frac{5}{2} = \frac{6}{x}$

12. $\frac{5}{2} = \frac{2}{x}$

5 Cups of Water to 2 Cups of Concentrate makes the Apple Juice. Write a **proportion** and solve. How many Cups of Water would be needed to make Apple Juice if there are:

13) 10 Cups of Concentrate? _____

14) 18 Cups of Concentrate? _____

15) A recipe calls for 4 cups of flour for every 5 cups of oatmeal. How much flour should be added to a big batch that includes 15 cups of oatmeal?

16) In Jim's family, 22 out of 35 people have brown eyes. What is the ratio of those who have **Brown eyes** to those who do not.

17) Find the selling price for each item. (Round to the nearest cent)

a. Regular price \$142.44; discount 45%

b. regular price \$553.34; tax 5%

18) Jim is going to leave the waiter a 15% tip. What is the tip he left if the bill is \$35.29?

19) What is the amount of savings on a bike the is 25% off of the original price of \$58.85?