

Name: _____

Class: _____

Date: 11/9/12

ID: C

RATIOS AND PROPORTIONAL RELATIONSHIPS EXAM 3

In class Exam Ver

Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Marcus hikes at a rate of 2 miles per hour. If he hikes for $6\frac{2}{3}$ hours, how many miles will he hike?

a. $8\frac{2}{3}$ miles
 b. $12\frac{2}{3}$ miles
 c. $13\frac{1}{3}$ miles
 d. 16 miles

2. Find the difference.

$$12\frac{1}{2} - 2\frac{3}{10}$$

a. $10\frac{1}{5}$
 b. 11
 c. $\frac{9}{164}$
 d. $9\frac{1}{5}$

3. If you can type 1240 words in 40 minutes, then how many words per minute can you type?

a. 180 words/min
 b. 31 words/min
 c. 27 words/min
 d. 9 words/min

4. Harriet paid \$349.65 for 6 fruit trees. If each of the trees cost the same, what is the cost for one tree?

a. \$58.27
 b. \$49.95
 c. \$41.09
 d. \$49.90

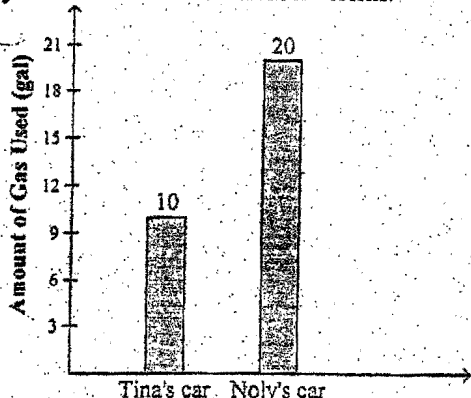
5. You can get 456 calories from eating 6 apples. How many calories can you get from eating 1 apple?

a. 78 calories per apple
 b. 79 calories per apple
 c. 77 calories per apple
 d. 76 calories per apple

6. Gary's motorcycle can travel 301.5 miles on 4.5 gallons of gasoline. What is the number of miles per gallon?

a. 65
 b. 67
 c. 66.9
 d. 75.4

7. Tina and Noly wanted to see whose car gets better gas mileage, so they each drove 220 miles and recorded how much gas they used. Use the bar graph to find how many miles per gallon each person's car gets. Round your answers to the nearest tenth.



- a. Tina's car: 220 mi/gal. Noly's car: 110 mi/gal.
 b. Tina's car: 24 mi/gal. Noly's car: 13 mi/gal.
 c. Tina's car: 22 mi/gal. Noly's car: 11 mi/gal.

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12. Which value would complete the table to make the relationship between the two quantities proportional?

x	y
1	22.6
2	45.2
3	?
4	90.4
5	113

- a. 56.5
b. 90.4
c. 67.8
d. 45.2
13. If the sales tax is 8.5%, about how much will an \$89.95 pair of sneakers cost, including sales tax?
a. \$80
b. \$90
c. \$95
d. \$100
14. Juan's purchase before sales tax was added totaled \$46.00. The total including tax was \$48.76. What was the sales tax rate?
a. 2.76%
b. 5.7%
c. 6.0%
d. 8.0%
15. If the price of gold went from \$460 an ounce to \$483 an ounce in one week, what was the percent change in the price of gold?
a. 4.8% increase
b. 4.8% decrease
c. 5% increase
d. 5% decrease
16. Nicole deposited \$2,000 at 6% simple interest. How long will it be before she has \$2,640 in her account?
a. 4 yr
b. 5 yr
c. 6 yr
d. 7 yr