

prACTice 3

1. A jar contains 16 gum balls: 5 are yellow, 8 are red, and 3 are blue. Two gum balls are selected at random from the jar one at a time. If the first gum ball is red, what is the probability that the second gum ball will also be red?
A. $\frac{7}{16}$ B. $\frac{8}{16}$ C. $\frac{8}{15}$ **D. $\frac{7}{15}$** E. $\frac{5}{15}$
2. If you have gone 5.5 miles in 30 minutes, what was your average speed, in miles per hour?
A. 11 B. 10 C. 165 D. 2.25 E. 82.5
3. If m and n are any real numbers such that $0 < m < 1 < n$, which of the following must be true of the value of $\frac{m}{n}$?
A. $1 < \frac{m}{n} < n$ B. $m < \frac{m}{n} < n$ C. $m < \frac{m}{n} < 1$ **D. $0 < \frac{m}{n} < m$**
E. $n < \frac{m}{n}$

Please complete PrACTice #3.
Also, please place your HW on your desk!

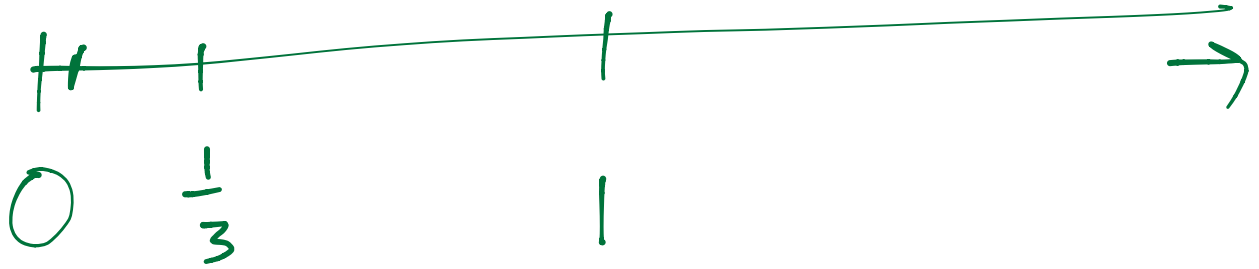
$$0 < m < 1 < n$$

$$0 \quad \frac{1}{3}$$

0.4

7

$$\frac{1}{21}$$



$$0 < \frac{m}{n} < m$$

BANKING For Exercises 13–15, use the following information.
Simple interest is calculated using the formula $I = prt$, where p represents principal in dollars, r represents the annual interest rate, and t represents time in years. Find the simple interest I given each of the following values

- $p = \$1800$, $r = 6\%$, $t = 4$ years **\$432**
- $p = \$5000$, $r = 3.75\%$, $t = 10$ years **\$1875**
- $p = \$31,000$, $r = 2\frac{1}{2}\%$, $t = 18$ months **\$1162.50**

Apply
Find the value of each expression.

$$\textcircled{15} \quad t = 1.5 \text{ years}$$

$$r = 0.025$$

$$\textcircled{23} \quad 4 + 64 \div (8 \times 4) \div 2$$

$$4 + 64 \div 32 \div 2$$

$$4 + 1 = 5$$

$$0 < \frac{m}{n} < m$$

$$0 < \frac{0.5}{4} < 0.5$$

open note quiz

① Evaluate

$$14 \div (8 - 20 \div 2)$$

② evaluate $(b-d)e^2$ if

$$b = -8 \quad e = -1$$

$$d = 3$$

③ List four different sets of pythagorean triples.

④ Write the answer to #23 from p. 8 hw