Homework #7: Due Friday, November 1

Name_____

Buckley or Gietzen

1. Solve the following problems using Order of Operations. SHOW YOUR WORK!

a. $5 + 3 \bullet 8$

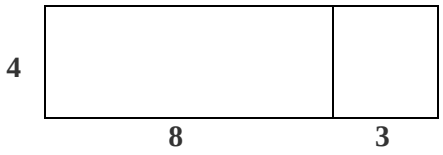
b. $42 - 40 \div 2^3$

c. $25 + 4(16 - 9)$

d. $10 + 4^2 \div 8$

e. $3^3 - 2 \bullet 3 + 1^3$

2. Which of the following **DOES NOT** correctly represent the diagram below? Circle the correct answer below.



A. 4(11) **B.** 4 x 8 x 3 **C.** 4(8 + 3) **D.** 32 + 12

3. Which of the following options is equivalent to the expression below? Circle the correct answer below.

9(5 + 7)

A. 45 + 7 **B.** 45 + 63 **C.** 45 x 63 **D.** 5 + 63

#4-8 REVIEW FROM 5TH GRADE TO GET YOU READY FOR OUR NEXT UNIT:

4. Use what you know about EQUIVALENT FRACTIONS to find the missing number, x.

a. $\frac{1}{7} = \frac{x}{14}$ **x =** _____ **b.** $\frac{12}{30} = \frac{x}{10}$ **x =** _____

c. $\frac{3}{5} = \frac{27}{x}$ **x =** _____ **d.** $\frac{5}{6} = \frac{25}{x}$ **x =** _____

5. List **<u>two</u>** other equivalent fractions for each fraction given.

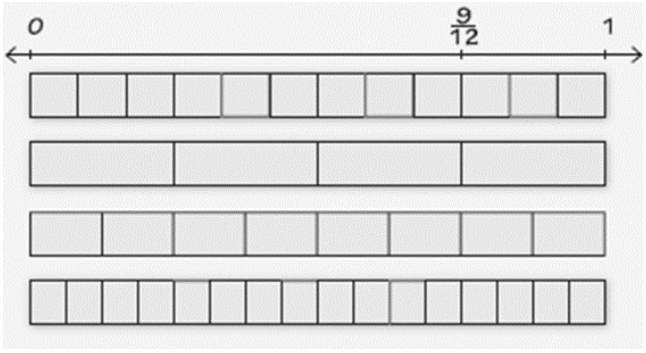
a. $\frac{2}{3}$ = _____ and _____

b. $\frac{15}{60}$ = _____ and _____

c. $\frac{7}{35}$ = _____ and _____

d. $\frac{1}{4}$ = _____ and _____

6. A student used the fraction strip below to mark $\frac{9}{12}$ on the number line.



a. Name **<u>three</u>** other fractions *shown here* that are equivalent to $\frac{9}{12}$:

b. Name one more fraction equivalent to $\frac{9}{12}$ that is NOT shown here:

7. MULTIPLE CHOICE: Which fraction is **<u>NOT</u>** equivalent to $\frac{12}{20}$? Circle your answer below:

A. $\frac{36}{60}$ B. $\frac{3}{4}$ C. $\frac{6}{10}$ D. $\frac{9}{15}$

8. MULTIPLE CHOICE: Which of the following <u>is</u> equivalent to $\frac{4}{5}$? Circle your answer below:

A. $\frac{45}{100}$ B. $\frac{5}{6}$ C. $\frac{40}{50}$ D. $\frac{3}{4}$

OPTIONAL:

Finding Ratios in your Halloween Candy!

Looking through all your Halloween candy…

1. What is the ratio of Skittles to Snickers? _____ to _____

2. What is the ratio of Reese's to M&Ms? _____ to _____

3. What is the ratio of chocolate to fruity? _____ to _____

4. What is the ratio of red wrappers to brown wrappers? _____ to _____

5. What is the ratio of Kit Kats to Nerds? _____ to _____

6. What is the ratio of suckers to candy bars? _____ to _____

7. Make up your own ratios: