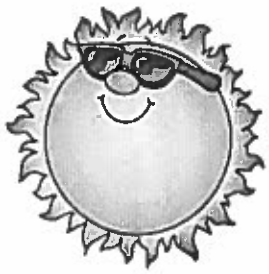
Weekly Math Homework

May 5 - May 9



DUE **WEDNESDAY**: "Let's Get Reducing!" sheet
DUE **THURSDAY**: "Grouping Symbols" sheet
DUE **FRIDAY:** "Simplest Form" and
"Two Step Problems" sheets

LAST Multiplication Timed Test on FRIDAY!

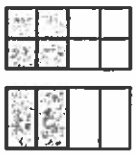
My timed test on FRIDAY is on the _____ facts!

Name _____

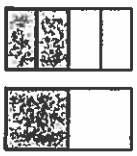
Parent Signature _____

Let's Get Reducing!

To reduce a faction to lowest terms, find a common factor that will divide into both the numerator and the denominator. The factor 2 will work. The factor 4, however, is better. When the only factor is 1, the fraction has been reduced to lowest terms.

$\frac{4 \div 2}{8 \div 2} = \frac{2}{4}$ 

Divide by 2. Can you divide again? Yes!

$\frac{2 \div 2}{4 \div 2} = \frac{1}{2}$ 

Divide by 2. Can you divide again? No

$\frac{4 \div 4}{8 \div 4} = \frac{1}{2}$ 

Divide by 4. Can you divide again? No!

Choose the greatest common factor for each fraction from the box. Divide and reduce to lowest terms.

A. 3, 2, 4 $\quad \frac{2 \div \square}{4 \div \square} =$

B. 6, 3, 2 $\quad \frac{6 \div \square}{9 \div \square} =$

C. 4, 5, 2 $\quad \frac{5 \div \square}{10 \div \square} =$

D. 3, 5, 2 $\quad \frac{10 \div \square}{15 \div \square} =$

E. 2, 4, 6 $\quad \frac{4 \div \square}{8 \div \square} =$

F. 8, 2, 10 $\quad \frac{10 \div \square}{12 \div \square} =$

G. 2, 8, 3 $\quad \frac{3 \div \square}{6 \div \square} =$

H. 4, 6, 3 $\quad \frac{3 \div \square}{9 \div \square} =$

I. 2, 7, 4 $\quad \frac{7 \div \square}{14 \div \square} =$

J. 2, 3, 6 $\quad \frac{6 \div \square}{8 \div \square} =$

K. 5, 10, 3 $\quad \frac{5 \div \square}{15 \div \square} =$

L. 6, 8, 4 $\quad \frac{4 \div \square}{16 \div \square} =$

Maria checked out nine books at the library. She read three of them on the first day. What fraction of the books did she have left to read? Reduce to lowest terms.

Due Thursday

Grouping Symbols

P M D A S

ALGEBRA

Lesson 2.5

COMMON CORE
Georgia Performance Standard MCC5.OA.1
Write and interpret numerical expressions.

Evaluate the numerical expression.

1. $5 \times [(11 \quad 3) \quad (13 \quad 9)]$

2. $30 \quad [(9 \times 2) \quad (3 \times 4)]$

3. $36 \div [(14 \quad 5) \quad (10 \quad 7)]$

4. $7 \times [(9 + 8) \quad (12 \quad 7)]$

5. $[(25 \quad 11) + (15 \quad 9)] \div 5$

6. $[(8 \times 9) \quad (6 \times 7)] \quad 15$

7. $8 \times \{[(7 + 4) \times 2] \quad [(11 \quad 7) \times 4]\}$

8. $\{[(8 \quad 3) \times 2] + [(5 \times 6) \quad 5]\} \div 5$

Problem Solving

REAL WORLD

Try 9 and 10!!

Use the information at the right for 9 and 10.

Joan has a cafe. Each day, she bakes 24 muffins. She gives away 3 and sells the rest. Each day, she also bakes 36 cupcakes. She gives away 4 and sells the rest.

9. Write an expression to represent the total number of muffins and cupcakes Joan sells in 5 days.

10. Evaluate the expression to find the total number of muffins and cupcakes Joan sells in 5 days.

Simplest Form *Due Friday!*

A fraction is in **simplest form** when 1 is the only factor that the numerator and denominator have in common.

Tell whether the fraction $\frac{7}{8}$ is in simplest form.

Look for common factors in the numerator and the denominator.

Step 1 The numerator of $\frac{7}{8}$ is 7. List all the factors of 7.	$1 \times 7 = 7$ The factors of 7 are 1 and 7.
Step 2 The denominator of $\frac{7}{8}$ is 8. List all the factors of 8.	$1 \times 8 = 8$ $2 \times 4 = 8$ The factors of 8 are 1, 2, 4, and 8.
Step 3 Check if the numerator and denominator of $\frac{7}{8}$ have any common factors greater than 1.	The only common factor of 7 and 8 is 1.
So, $\frac{7}{8}$ is in simplest form.	

Part 1:

Tell whether the fraction is in simplest form. Write *yes* or *no*.

1. $\frac{4}{10}$ _____

2. $\frac{2}{8}$ _____

3. $\frac{3}{5}$ _____

Part 2:

Write the fraction in simplest form.

Ex) $\frac{5 \div 5}{40 \div 5} = \frac{1}{8}$

1) $\frac{4}{16} = \frac{\quad}{\quad}$

2) $\frac{5}{20} = \frac{\quad}{\quad}$

3) $\frac{6}{9} = \frac{\quad}{\quad}$

4) $\frac{2}{4} = \frac{\quad}{\quad}$

5) $\frac{2}{16} = \frac{\quad}{\quad}$

6) $\frac{24}{32} = \frac{\quad}{\quad}$

7) $\frac{3}{6} = \frac{\quad}{\quad}$

8) $\frac{8}{12} = \frac{\quad}{\quad}$

Two Step Problems

*** Due Friday! ***

Solve each problem. **Answer choices** SHOW YOUR WORK!!

54	10	16	36
42	15	27	4
	63	24	

1) There were 8 friends playing a video game online when 5 players quit. If each player left had 5 lives, how many lives did they have total?

2) A trivia team had 15 members total, but during a game 6 members didn't show up. If each member that did show up scored 3 points, how many points were scored total?

3) Ned had 15 video games but 6 of them weren't working. If he wanted to sell the working games for $7 each, how much money could he earn?

4) Each chocolate bar in a box cost $6. If a box had 13 bars total and Zoe sold all but 6 bars, how much money would she have made?

5) Will bought 7 boxes of chocolate candy and gave 3 to his little brother. If each box has 4 pieces inside it, how many pieces did Will still have?

6) Mike invited 13 friends to a birthday party, but 7 couldn't come. If he wanted to buy enough cupcakes so each person could have exactly 4, how many should he buy?

7) In a video game, each enemy defeated gives you 5 points. If a level has 8 enemies total and you destroy all but 6 of them, how many points would you earn?

8) Roger earned 9 dollars for each lawn he mowed. If he had 14 lawns to mow, but forgot to mow 8 of them, how much money did he actually earn?

9) A magician was selling magic card decks for 2 dollars each. If he started with 5 decks and by the end of the day he had 3 left, how much money did he earn?

10) A chef needs to cook 12 potatoes. He has already cooked 6. If each potato takes 6 minutes to cook, how long will it take him to cook the rest?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0