Summer Reading Assignment

Welcome to middle school! For summer reading this year, please choose books to read off of the 2019-2020 Battle of the Books list! Read as many as you can, and choose ONE book to complete the following project below. Projects will be due by Friday, September 6, 2019 and will be used as a project grade during the first quarter. Use the rubric to help guide your work.

Two Part Book Project				
Part I: Written Book Review	Part II: Visual Display			
Imagine you are writing a book review forCreaAmazon about your favorite summer readingbookbook. Your written book review must include:displ• Book Details:idea:	ite a visual display of some kind that represents your k. You are welcome to come up with your own way to lay the book, but if you are struggling, here are some is:			
 Book Details: Title and Author Genre Analyze the Elements of Fiction (5 paragraphs total): Write one paragraph describing the main setting. Use details to help paint a picture of when and where your story takes place. Write one paragraph explaining how your story progresses through the stages of plot. These are the main events in the story. Write about what happens at the beginning, middle, and end of the story. Include textual evidence to support your paragraph. Choose at least two main characters and write a paragraph about each character. Describe their characteristics (what is their personality like, what do they look like) and explain how they interact with other characters. Write one paragraph about the theme using textual evidence to justify your answer. What is the author trying to teach us about human nature? 	 S: Tee Shirt: Use markers, paints, glues, and anything else to design a t-shirt to represent the characters, settings, plot, and information from your book. Include at least 10 visuals on the t-shirt. Additionally, on a separate sheet of paper, identify the visual and explain how it relates to the text. Use textual evidence to support your response. Poster Board Collage: Use magazines, newspapers, and any other media to create a collage to represent the characters, settings, plot, and information from your book. Your entire poster board must be filled! Include at least 10 visuals on the poster board. Additionally, identify the visual and explain how it relates to the text. Use textual evidence to support your response. Book Bag: Place items that represent your book in a bag (shopping bag, book bag, any bag will do). Include toys, models, actions figures, written notes, or anything else that represents the characters, settings, plot, and information from your book. Include at least 10 items in the bag. Additionally, on a separate sheet of paper, identify the object and explain how it relates to the text. Use textual evidence to support your response. Book Mobile: Hang descriptions and images that represent the characters, setting, plot, and information from your book from a clothing hanger (or a hook, just make sure we can hang and display). Include at least 10 visuals on the mobile. Additionally, on a separate sheet of paper, identify the visual and explain how it relates to the text. Use textual evidence to support your response. 			

Your visual must include:

Rank or Recommend:	Title and Author
 Give this book 1, 2, 3, 4, or 5 stars. 5 means the book is SUPER GREAT, a MUST READ, while 1 means the book was AWFUL. Explain to your audience in a minimum of 5 sentences why you do or do not recommend this book. Be sure to use specific reasons or evidence from your reading. 	 Genre Main characters or persons (if nonfiction) Setting Plot or major events Illustrations/visuals (at least 10) Creativity and Color

Battle of the Books List 2019-2020: Middle School

To read about the book or to order from Amazon, click the title below. You may also order the book from any book retailer or check them out from the Charlotte-Mecklenburg Library System.

Title	Author
Serafina and the Black Cloak	Robert Beatty
Insignificant Events in the Life of a Cactus	Dusti Bowling
The War that Saved My Life	Kimberly Brubaker Bradley
Gym Candy	Carl Deuker
The Ruins of Gorlan	John Flanagan
The Boys Who Challenged Hitler	Phillip Hoose
House Arrest	K.A. Holt
Cracker! The Best Dog in Vietnam	Cynthia Kadohata
To Kill a Mockingbird	Harper Lee
Legend	Marie Lu
Greenglass House	Kate Milford
A Monster Calls	Patrick Ness
A Night Divided	Jennifer A. Nielsen
The First Rule of Punk	Celia C. Perez
Ghost Boys	Jewell Parker Rhodes
Harry Potter and the Sorcerer's Stone	JK Rowling
Bomb	Steve Sheinkin
I'll Be There	Holly Goldberg Sloan
The Bitter Side of Sweet	Tara Sullivan
The Running Dream	Wendelin Van Draanen
Crow	Barbara Wright
I Am Malala	Malala Yousafzai
(Young Reader's edition with Patricia McCormick)	

Sedgefield Middle School Summer Reading Assignment Rubric (2019-2020)

Student Name: _____

CATEGORY	15-20 points	10-14 points	5-9 points	0-4 points
Setting	The setting is described in one full paragraph (minimum of 5 sentences). The reader can imagine the setting because it is explained in detail.	The setting is partially described. Some description is used.	The setting is described with minimal detail.	The setting is not described.
Plot	The plot is described in full detail where the reader is able to follow along. A minimum of 5 sentences are used to describe the plot. Textual evidence is used.	The plot is described in some detail. Some details are missing. Textual evidence is used.	The plot is described in some detail. Some details are missing. No textual evidence is used.	The plot is not explained.
Characters	Two characters are identified and details are used to describe the characters. Two paragraphs are written (1 paragraph per character). The writer explains how the characters interact with other characters.	Two characters are identified and some details are used to describe the characters.	One character is identified and details are used to describe the character.	One character is identified with some details or no characters are identified.
Theme	A theme is identified and textual evidence is used to support the theme.	A theme is identified with minimal textual evidence.	A theme is identified with no textual evidence.	No theme is identified.
Book Recommendation	The reader ranked the book and provided a minimum of 5 sentences justifying their answer. Specific reasons or evidence is used.	The reader ranked the book and provided a minimum of 5 sentences justifying their answer.	The reader ranked the book.	No ranking is provided.
Visual Display	The visual display contains at least 10 visuals. A paragraph explains how each visual relates to the text. The display includes the title, author, genre, main characters/persons, setting, and plot events.	The visual display contains at least 8 visuals. A paragraph explains how each visual relates to the text. The display includes the title, author, genre, main characters/persons, setting, and plot events.	The visual display contains at least 5 visuals. A paragraph explains how each visual relates to the text. The display includes the title, author, genre, main characters/persons, setting, and plot events.	The visual display contains less than 5 visuals, or there is no paragraph explaining how each visual relates to the text.
Conventions and Neatness	The written assignment and visual display is neat. No spelling or grammar issues.	The written assignment and visual display is neat. Some spelling or grammar issues.	The written assignment and visual display is difficult to read/not neat. Spelling and grammar issues.	The written assignment and visual display is sloppy with lots of spelling and grammar issues.

Total Number of Points: _____

Comments: _____

Sixth Grade Summer Enrichment Math Packet 2019-2020

<u>Note to the Student</u>

You learned so much in Grade 5! It is important that you keep practicing your math skills over the summer to be ready for your 6th grade math class. In this packet, you will find weekly activities for the summer break. The packet is broken down by weeks. At the end of the week, have your parent/guardian initial that you have completed the assignment.



Directions:

- Create a personal math journal by stapling several pieces of paper together or use a notebook or binder with paper.
- Each journal entry should:
 - ✤ Have the week number and the problem number.
 - ✤ Have a clear and complete answer that explains your thinking.
 - ✤ Be neat and organized.
- Pay attention to the gray boxes that you see at the beginning of each week's activities. Those boxes indicate the Common Core domain and standard that the

subsequent activities address. If you see a NON-CALCULATOR SYMBOL a gray box, then <u>do not use a calculator for the activities in that section</u>!



KHAN

Where to Go to Get Help ... or Practice!

During the course of your math work this summer, you may need some assistance with deepening your understanding of the skills and concepts. You also might want to get some more practice. Here are some sites you can visit online:



Summer Student Enrichment Packet

Math 6

WEEK 1 || Number & Operations in Base Ten Standard

Our place value system is structured like this:

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths	Thousandths
7	3	5	4		6	8	8

The system is set up in "base ten." So, each place is ten times as large as the place to its right.

For example, in the number **330**, there are 3 hundreds and 3 tens. So, the 3 in the hundreds place has 10 times the value of the 3 in the tens place, because $30 \times 10 = 300$.

Can you advance through the three levels of the Base Ten Bonanza? Good Luck!



Compare the values of the digits in the number below.

Then choose True or False for each statement.

2.22

a.) 0.02 is 10 times 0.2.	True	False
b.) 2 is 10 times 0.02.	True	False
c.) 0.2 is 10 times 0.02.	True	False
d.) 0.2 is $\frac{1}{10}$ of 2.	True	False
e.) 0.02 is $\frac{1}{10}$ of 0.2.	True	False
f.) 2 is $\frac{1}{10}$ of 0.2.	True	False



LEVEL 2 Fill in the number that correctly completes each statement.

- a.) 500 is 10 times larger than _____.
- c.) 62 is $\frac{1}{10}$ of _____.
- e.) 8.9 is $\frac{1}{10}$ of _____.
- g.) 7.1 is 10 times larger than _____.

b.) 500 is 10 times smaller than .

d.) 62 is 10 times larger than _____.

f.) 8.9 is 10 times larger than _____.

h.) 7.1 is 10 times smaller than _____.

EVIEL 3

For each number in the table, write a phrase from the box to make the correct comparisons.

Number	Phrase	
7		• Is $\frac{1}{10}$ of 700
0.7		• Is $\frac{1}{10}$ of 7
700		• Is $\frac{1}{10}$ of 0.7
0.07		• Is 10 times as much as 70
70		• Is 10 times as much as 0.7

BONUS LEVEL (Culminating Question):

Explain the relationship (how many times greater or less one number is than the other) between the two 5's in the number 455,721.

Parent/Guardian Initial

WEEK 2 || Number & Operations in Base Ten Standard: Read, write, and compare decimals to thousandths.

Did you know that you can take a number and *E-X-P-A-N-D* it? Well, you can! For example, let's say you want to take the number **743.86** and *E-X-P-A-N-D* it.

You can do so by breaking down the number using the base 10. Like this:

743.86 is composed of:

whole number parts: 700 + 40 + 3 *and* decimal parts: 0.8 + 0.06

700	\rightarrow	7 x 100
40	\uparrow	4 x 10
3	\rightarrow	3 x 1
0.8	\rightarrow	8 x 0.1
0.06	\rightarrow	6 x 0.01
743.86		

In table form using decimals, it looks like this:

Using fractions, the expanded form of the number is:

 $7 \times 100 + 4 \times 10 + 3 \times 1 + 8 \times \frac{1}{10} + 6 \times \frac{1}{100}$

<u>Using fractions</u> like the example above, write the following numbers in expanded form:

1) 6.741	
2) 98.48	
3) 473.9	
4) 9.1042	
5) 76.07	
6) 20.001	

Choose the correct expanded form of the number given:

7) 80.03 a. $8 \times 10 + 3 \times \frac{1}{10}$ b. $8 \times \frac{1}{10} + 3 \times \frac{1}{100}$ c. $8 \times 10 + 0 \times 1 + 0 \times \frac{1}{10} + 3 \times \frac{1}{100}$ d. $8 \times 1 + 3 \times \frac{1}{100}$ 8) 2.728 a. $2 \times 1 + 7 \times \frac{1}{10} + 2 \times \frac{1}{100} + 8 \times \frac{1}{1000}$ b. $2 \times \frac{1}{10} + 7 \times \frac{1}{10} + 2 \times \frac{1}{100} + 8 \times \frac{1}{1000}$ c. $2 \times 1 + 7 \times \frac{1}{10} + 8 \times \frac{1}{1000}$ d. $2 \times 1 + 7 \times \frac{1}{10} + 2 \times \frac{1}{1000} + 8 \times \frac{1}{10000}$

Culminating Question

9) Which of the following expressions show the values of the digits in four hundred fifty-three and forty-eight hundredths? Circle all that apply.

A. $4 \times \frac{1}{100}$	B. 8 x $\frac{1}{100}$	C. 50 x 10	D. 8 x 100	E. 4 x 100
F. 5 x 10	G. 3 x 10	H. 3 x 1	I. $4 \times \frac{1}{10}$	

When comparing decimals, use a place-value chart to line up the decimal places and ensure that each decimal is given the same number of places.

For example: Race Car Driver 1 completed a lap in 28.9 seconds and Race Car Driver 2 completed a lap in 28.889 seconds. Which driver took less time to complete a lap?

	Tens	Ones	Decimal	Tenths	Hundredths	Thousandths
Driver 1	2	8	•	9	0	0
Driver 2	2	8	•	8	8	9

In comparing the numbers, Driver 2 completed the lap in slightly less time than Driver 1 – just 0.011 seconds!





Drag racers are super-fast race cars! The winning times of drag races are usually under 10 seconds and the difference between the finishing times of cars is frequently very small!

It's your job to use the <, >, or = symbol to compare each pair of times. The lesser time wins the race! Add placeholder zeros to help you compare!

2) 2.025

8) 8.99 ___

4) 9.75

6) 6.2

2.205

9.755

6.200

8.991

Example:

4.2 ____ 4.203 4.200 ____ 4.203 4.200 is less than 4.203, so 4.200 _<_ 4.203

- 1) 8.01 ____ 8.1
- 3) 10.12 ____ 10.012

5) 8.091 ____ 8.291

7) 9.9 ____ 9.899



9) Compare each number to **635.49**. *Add placeholder zeros to help you compare!* Then, write each number in the correct column.

636.0	635.4955	635.409
635.4	635.04	635.490

Less Than 635.49	Equal to 635.49	Greater Than 635.49

10) Use the digits from the box for each decimal to make the number sentence true. The digits may be used more than once. Each of your answers should be different.

- A. 71.531 > 71.5 ____
- B. 71.531 > 71.5 ___

1	3	7	9
---	---	---	---

- C. 71.531 < 71.5 ____
- D. 71.531 < 71.5 ____

Culminating Questions

11) At a gas station, you see the prices 2.449 and 2.429 listed for different types of gasoline. Which price is greater? Explain your choice.



12) In a 50-meter sprint, Patrick had a time of 5.75 seconds. Carl ran the same distance in 5.9 seconds. Who had the better time in the race? Explain your choice.

Parent/Guardian Initial	ardian Initial
-------------------------	----------------

WEEK 3 || Number & Operations in Base Ten Standard: Use place value understanding to round decimals to any place.

Do you remember your rounding rules? Here is one song that teaches the rounding rules:

Find your place (Circle the place of the number you're rounding) Look RIGHT next door Five or greater, add one more Four or less, stays the same Numbers behind, zero's your name.

When you round a number, you are finding a number that is close to the given number.

Example:

Round **8.526** to the nearest:

- Whole number (Look RIGHT next door: The 5 in the tenths place tells you to round the 8 in the ones place up to a 9)
 Answer → 9
- Nearest tenth (Look RIGHT next door: The 2 in the hundredths place tells you to keep the 5 in the tenths place)
 Answer → 8.5
- Nearest hundredth (Look RIGHT next door: The 6 in the thousandths place tells you to round the 2 in the hundredths place up to a 3) Answer $\rightarrow 8.53$

1) **1.8453**

Round the above number to the:

Nearest whole number ______ Nearest tenth ______

Nearest hundredth _____

Nearest thousandth

2) **13.2607**

Round the above number to the:

Nearest whole number	Nearest tenth

Nearest hundredth _____

Nearest thousandth _____

What Could My Number Be?

3) My number rounded to the nearest tenth is 8.1. What could my number be?	4) My number rounded to the nearest hundredth is 16.63. What could my number be?
5) My number rounded to the nearest tenth is 0.8. What could my number be?	6) My number rounded to the nearest thousandth is 5.738. What could my number be?

7) Use the number line below to round 3.54 to the nearest tenth.



8) Use the number line below to round 7.86 to the nearest tenth.

< + + + + +							>
			7.86				
Culminating Question							
9) Choose <i>non-zero</i> numbers to fill in ea	ch blank:	_·					
Now round your number to the:							
Nearest whole number	Nearest tent	h					
Nearest hundredth	Nearest thou	usandth	 				
				Par	ent/Guaro	dian Init	ial

WEEK 4 || Number & Operations in Base Ten Standard: Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.



Directions: Perform the operation indicated. Show your process. Use estimation to check the reasonableness of your answer. <u>NO CALCULATOR</u> should be used.

The answer for each problem corresponds to a letter. Each letter should be placed in a blank that corresponds to a problem number to answer this riddle:

What blew the flags at the beach?

1) 64.32 + 18.94	2) 48.3 + 37.91	3) 25 + 60.62
4) 79.6 – 45.9	5) 23 – 7.55	6) 51.68 – 30.29
7) 72.6 – 28.49	8) 8.3 x 4.9	9) 6.08 x 3.45
10) 0.5 x 17.64	11) 58.8 x 19.3	12) 87 x 0.28

	20	.976	→U	4	40.67 →0			15.45 →G 24.36			S→N
	85	.62 –	> S	1	134.84	4 → T	33.7	→D		21.39	A∕
	44	.11 –)	8	3.26 🖯	→ F	8.82	\rightarrow U		86.21	→w
6	10	5	9	3	11	8	1	2	7	12	4
											Parent/Guardian Initial

15

WEEK 5 || Number & Operations – Fractions Standards: Use equivalent fractions as a strategy to add and subtract fractions.



Perform the indicated operation(s).

1) $\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$	2) $\frac{1}{2} + \frac{5}{2} + \frac{1}{12}$	3) $3\frac{5}{2} + 2\frac{1}{2}$
3 4 6	3 6 12	96
$1) a^{3} c^{1}$	r) 10 ¹ 0 ²	c) 2 ⁸ 2 ⁵
4) $4\frac{10}{10} + 6\frac{1}{3}$	5) 10 8 - 2 9	$9 \frac{12}{12}$
1 1 1		1 3 2
7) $\frac{1}{2} + \frac{1}{3} - \frac{1}{4}$		8) $\frac{-}{8} + \frac{-}{4} - \frac{-}{3}$

Let's Get Active!!!

- 9) Krissy swam $\frac{2}{3}$ of a mile on Monday and $\frac{3}{4}$ of a mile on Wednesday.
 - How many miles did she swim over the two days?
 - If she wants to swim a total of 3 miles before Friday, how much farther does she need to swim?

10) Carla is training for a marathon. On Wednesday, she ran $5\frac{3}{8}$ miles for her workout. On Thursday, she ran $9\frac{4}{5}$ miles. How much farther did she run on Thursday than Wednesday?





Culminating Question

12) In practice, Carson made a triple jump with the segments shown below. What is the combined length of his jumps? Explain how you determined your answer.



Parent/Guardian Initial	

WEEK 6 || Number & Operations – Fractions Standards: Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.

Number & Operations – Fractions Standards: Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.

One way to visualize multiplying two fractions is to draw a rectangle model that is made of side lengths that are equal to each of the fractions.

Example: What is the area of a rectangle with side measurements of $\frac{1}{4}$ and $\frac{5}{6}$?

5 whole rows out of 6 are marked to

represent

5 6

You should know that to find area of a rectangle, multiply the length times the width. To model this, you can create a rectangular grid on which you can represent each side length. Then you can shade the area of the rectangle to represent the expression and confirm your answer by multiplying the fractions.

So to find the area of a rectangle with side lengths of $\frac{1}{4}$ and $\frac{5}{6}$, multiply numerators straight across and denominators straight across: $\frac{1}{4} \times \frac{5}{6} = \frac{5}{24}$.





Math 6	
1) Shade the figure and determine the area of a rectangle with side lengths of $\frac{3}{4}$ and $\frac{2}{3}$.	2) Shade the figure and determine the area of a rectangle with side lengths of $\frac{2}{4}$ and $\frac{2}{5}$.
3) Shade the figure and determine the area of a rectangle with side lengths	4) Shade the figure and determine the area of a rectangle with side lengths
of $\frac{1}{3}$ and $\frac{4}{5}$.	area of a rectangle with side lengths of $\frac{1}{6}$ and $\frac{2}{3}$.

5) In the space below, draw a grid and model the expression $\frac{2}{3} \times \frac{1}{2}$, then check using math.

Time to Make an Art Project!

6) Aretha's trip to an art supply store took $1\frac{1}{6}$ hours. Her return trip took only $\frac{5}{7}$ of the time of her trip to the store. How long was Aretha's return trip? What was Aretha's total driving time?



7) Marcus has 36 markers in his case. Of those, $\frac{4}{9}$ are fabric markers.

How many of his markers are <u>not</u> fabric markers? <u>Explain how you determined your</u> <u>answer</u>.

You Are Doing Home Projects!!

1) You use $\frac{7}{8}$ of a gallon of paint for one room. How much paint do you need to paint four rooms?



2) One paving stone weighs $21\frac{5}{12}$ pounds. You want to put six paving stones in front of your house. How many total pounds of stones do you have to buy?

3) A landscaper charges \$16 per hour for his services. How much money do you have to pay him if he works $7\frac{3}{4}$ hours fixing up your yard?



4) You bought a 70-pound bag of grass seed and used $\frac{2}{5}$ of it to seed your lawn. How many pounds of grass seed did you use?

5) You decided to paint the walls of your room. You painted half of one wall red. Then you changed your mind and wanted to paint over it in green. You waited for it to dry and then started covering the



red with green paint. At the end of the day, $\frac{2}{3}$ of the original red wall was painted green. At that time, how much of the entire wall had been painted green? Explain how you determined your answer. (*Hint:* Draw a picture to help you understand the problem and the solution.)

Culminating Question

6) Write a short real-life scenario that models the equation below and draw a visual representation to show the solution.

$$4 \times \frac{3}{4} =$$

Parent/Guardian Initial

23

Math 6

WEEKS 7 & 8 || <mark>Number System Standard:</mark> Greatest Common Factor, Least Common Multiple, Distributive Property

Finding the Least Common Multiple

Strategy: To find the Least Common Multiple (LCM) of two numbers, simply find the <u>multiples</u> of each of the numbers. Then determine the lowest multiple that is shared by both numbers.

For example: Find the LCM of 4 and 9.

Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32, **36** Multiples of 9: 9, 18, 27, **36**

The LCM of 4 and 9 is 36.

You can find the LCM of three numbers using the same method.

Try these:

1) What is the LCM of 6 and 9?

2) What is the LCM of 6 and 10?

4) What is the LCM of 5 and 8?

3) What is the LCM of 8 and 12?

5) What is the LCM of 4, 6, and 9?

6) What is the LCM of 4, 5, and 6?









8) A pro baseball team is having a promotion in which every 10th fan that enters the stadium gets a free hat and every 12th person gets a free T-shirt. How many fans will come into the stadium before a fan receives both a hat and a T-shirt?

9) Brandon is thinking of a number that is divisible by 6 and 8. What is the smallest number that Brandon could be thinking of?

10) The school band is playing a piece of music in which the bass drum is struck every four beats and the chimes are struck every 22 beats. What is the number of the first beat in which the bass drum and chimes will be struck on the same beat?

<u> Greatest Common Factor – Example 1</u>

Brenda has 54 marbles and 72 cubes to put into bags. She wants each bag to have the same number of each item with nothing left over. What is the greatest number of bags Brenda could make? How many of each item would there be in each bag?









Summer Student Enrichment Packet

Math 6

To determine the GREATEST number of bags Brenda could make, you could find the *greatest common factor* of the number of marbles (54) and cubes (72). This can be done by listing the possibilities in a table.

Number of Bags	1	2	3	6	9	18	27	54
Marbles in each	54	27	18	9	6	3	2	1
bag								

# of Bags	1	2	3	4	6	8	9	12	18	24	36	72
Cubes in	72	36	24	18	12	9	8	6	4	3	2	1
each bag												

• The greatest number of bags that is found in **both** tables is 18, so 18 is the greatest number of bags Brenda could make. Therefore, 18 is the **greatest common factor** for 54 and 72.

• In each bag, there would be 3 marbles and 4 cubes.

Example 2

Find the greatest common factor of 12 and 30.

Strategy: List the <u>factors</u> of each number. Identify the greatest factor that both numbers have.

12: 1, 2, 3, 4, *6*, 12 **30:** 1, 2, 3, 5, *6*, 10, 15, 30

So, the greatest common factor of 12 and 30 is 6.



Summer Student Enrichment Packet

Math 6

1) Barbara is having a party and wants to pre- make plates of snacks for her guests. She has 90 pretzels and 63 cookies. What is the greatest number of plates she can make with the same amount of pretzels and cookies on each plate and no snacks left over? How many of each item would there be?	2) A farmer is putting apples and oranges into boxes to sell at a market. He has 64 apples and 24 oranges. What is the greatest number of boxes he can make using all of the apples and oranges if each box has identical contents?
3) Melody is making cups of fruit salad. She has 25 grapes, 15 strawberries, and 50 blueberries. How many cups of fruit salad can Melody make if each cup has to have the same amount of each type of fruit and there is nothing left over?	4) Toni is making party bags for her daughter's birthday party. Toni bought 36 party favors, 27 cookies, and 18 lollipops. How many party bags can Toni make if she wants to use all of the materials that she bought and every bag contains the same items?

The greatest common factor can be used to re-write an expression.

For example:

Re-write the expression 44 + 28 as a product using the greatest common factor as a factor multiplying a quantity in parentheses.

- Think: what is the greatest common factor of 44 and 28?
 - Factors of 44: 1, 2, 4, 11, 22, 44
 - Factors of 28: 1, 2, 4, 7, 14, 28
 - \rightarrow The greatest common factor of the two numbers is 4.
- Divide both numbers by the GCF.
 - 44 ÷ 4 = 11 and 28 ÷ 4 = 7
- Use the GCF as a factor multiplying a quantity in parentheses:
 - 4(11 + 7)

Check:

- 44 + 28 = 72
- Apply the Distributive Property to check: $4(11 + 7) \rightarrow 4(18) = 72$

Write the following sums as products using the greatest common factor as a factor multiplying a quantity in parentheses, as in the example above.

Distributive Property

5) 14 + 18	6) 6 + 42
7) 39 + 18	8) 24 + 40
9) 27 + 15	10) 35 + 49
11) 60 + 48	12) 66 + 88

Parent/Guardian Initial