Dear Rising 5th Graders,

We are so excited to teach you next school year! During the summer, it's important to keep up with your math skills so that you enter the school year ready to dive into new math concepts with *confidence*. The Summer Math Practice packet you will receive consists of ten review activities over the following topics:

★ Estimating products by rounding (Page 1)
★ Double-digit multiplication (Page 2)
★ Long division (Page 3)
★ Understanding Place Value (Page 4)
★ Equivalent Fractions (Page 5)
★ Comparing Fractions (Page 6)
★ Adding & Subtracting Fractions (Pages 7 and 8)
★ Comparing Decimals (Page 10)
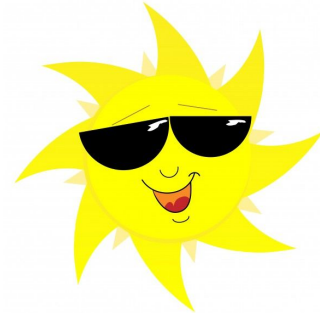
Page 9 is a mix of some of the topics above

Please complete at least 7 out of the 10 included pages over the summer (show your work!). Reviewing the topics that you are the **least** confident about will help you the **most**! This will be your very **first math grade**. We look forward to working with you soon!
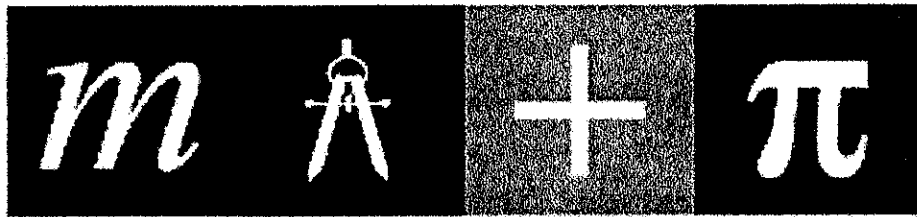
Sincerely,

_____   _____
Ms. Figueroa   **Mrs. Minera**
5th Grade Math Teacher   MS Math Resource Teacher

Washington Latin Public Charter School
Rising 5th Grade

Summer

MA + π

Practice

This Packet Belongs To

_____

Practice Sheet

4.NBT.5
Estimate products
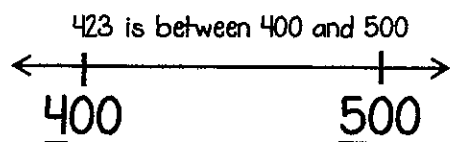by rounding

Estimating Products ~ Part 2

Find the numbers the exact answer is between.

Step 1: Use a number line to determine which two numbers the greatest factor falls between.

Step 2: Multiply the basic facts.

Step 3: Add the zeros.

Ex: 3 x 423 = _____   3 x 400 = 1200
                        3 x 500 = 1500

423 is between 400 and 500

400   500   So, 3 x 423 is between 1200 and 1500.

Solve:

1. 2 x 367 = _____   2 x _00 = ___00
                        2 x _00 = ___00
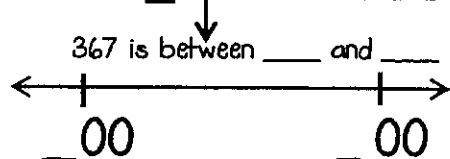
367 is between ____ and ____

_00   _00   2 x 367 is between _____ & _____.

2. 9 x 485 = _____   __ x _____ = _____
                        __ x _____ = _____

____   ____   9 x 485 is between _____ & _____.

3. 4 x 713 = _____   __ x _____ = _____
                        __ x _____ = _____
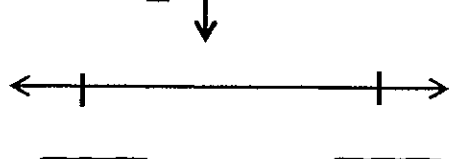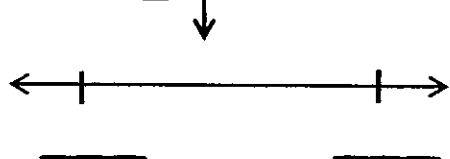
____   ____   4 x 713 is between _____ & _____.

Mystery Picture - Multiplication
Double Digit Multiplication

Name _____   Date _____

2,793	2,448	2,793	1,725	3,128	2,581	1,725	2,241	3,128	3,458	2,793	2,886
2,886	3,458	1,725	928	7,209	2,241	3,128	928	7,209	2,581	2,448	3,458
2,448	3,128	2,581	3,128	3,977	2,241	3,128	5,925	2,581	2,241	3,128	2,793
3,458	2,241	1,725	2,581	928			7,209	1,725	1,725	2,581	2,886
2,793	3,128	2,581	2,241					2,241	3,128	2,241	3,458
2,886	1,725	2,241	3,128	2,581	2,241	3,128	1,725	2,241	2,581	3,128	2,448
2,793	3,128	1,725	2,241	1,725	3,128	2,241	2,581	3,128	1,725	2,241	2,793
2,448	3,458	1,725	2,581	928	7,209	928	7,209	2,241	3,128	2,886	3,458
2,793	2,886	2,793	3,128	1,725	2,241	2,581	3,128	1,725	2,448	2,793	2,448

Purple

57	38	37	48
x 49	x 91	x 78	x 51

Black

81	29
x 89	x 32

Yellow

34	23	27	89
x 92	x 75	x 83	x 29

White

75	41
x 79	x 97

Mystery Picture - Long Division
3 Digit ÷ 1 Digit

Name _____   Date _____

88 R1	71 R3	88 R1	28 R2	15 R5	31 R3	33 R4	28 R2	15 R5	91 R7	71 R3	91 R7
98 R7	91 R7	15 R5	33 R4	39 R1	28 R2	31 R3	83 R1	33 R4	31 R3	98 R7	88 R1
71 R3	33 R4	28 R2	31 R3	83 R1	15 R5	33 R4	39 R1	31 R3	15 R5	33 R4	71 R3
88 R1	31 R3	15 R5	33 R4	31 R3	28 R2	31 R3	33 R4	15 R5	33 R4	28 R2	91 R7
91 R7	33 R4	31 R3	28 R2	15 R5	33 R4	51 R4	94 R1	28 R2	31 R3	15 R5	88 R1
98 R7	15 R5	39 R1	83 R1	39 R1	83 R1	94 R1	51 R4	39 R1	83 R1	33 R4	98 R7
71 R3	28 R2	33 R4	39 R1	83 R1	39 R1	51 R4	94 R1	83 R1	31 R3	15 R5	71 R3
98 R7	88 R1	15 R5	31 R3	39 R1	83 R1	39 R1	83 R1	28 R2	33 R4	91 R7	88 R1
71 R3	91 R7	71 R3	33 R4	15 R5	28 R2	31 R3	33 R4	15 R5	88 R1	71 R3	98 R7

Green

$$5\overline{)358} \quad 2\overline{)177} \quad 8\overline{)735} \quad 9\overline{)889}$$

Black

$$3\overline{)118} \quad 2\overline{)167}$$

Yellow

$$7\overline{)235} \quad 9\overline{)140} \quad 4\overline{)114} \quad 6\overline{)189}$$

Red

$$5\overline{)259} \quad 3\overline{)283}$$

Directions: Determine the value of each underlined digit in the numbers below. Write the value on the line. Use the place value chart.

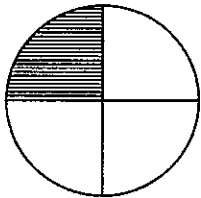| Million	Hundred Thousand	Ten Thousand	Thousand	Hundred	Tens	Ones

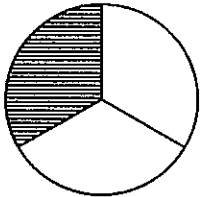|		
1. Example: 456 = 50	6. 7,405,621 = _____	11. 99,632,405 = _____
2. 6,045 = _____	7. 887,965 = _____	12. 32,002,202 = _____
3. 72,890 = _____	8. 789,302 = _____	13. 11,255 = _____
4. 19,812 = _____	9. 4,632 = _____	14. 37,506 = _____
5. 201,655 = _____	10. 3,220,856 = _____	15. 980 = _____

16. Look at the original numbers for problems 1-5. Which original number has the greatest value? _____
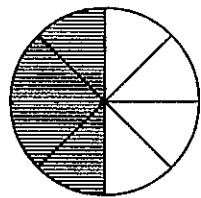
17. Look at the original numbers for problems 6-10. Which original number has the greatest value? _____
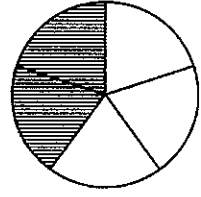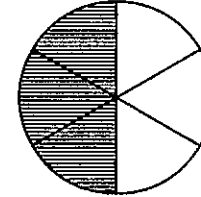
Directions: Name each fraction on the first line, and then list equivalent fractions on the lines by using multiples.

1.

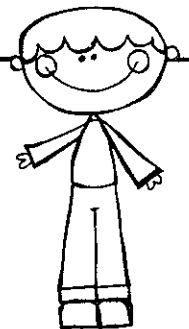___ = ___ = ___ = ___ = ___

2.

___ = ___ = ___ = ___ = ___

3.

___ = ___ = ___ = ___ = ___

4.

___ = ___ = ___ = ___ = ___

5.

___ = ___ = ___ = ___ = ___

6. Ucheoma and Jaylen split a cake. Ucheoma takes $\frac{3}{6}$ of the cake and Jaylen takes $\frac{1}{2}$. Did they split the cake equally? Yes or No? Explain what you know.

_____

_____

Directions: Name each shaded fraction model and use inequality symbols to compare. (>, <, =)

Comparing Fraction Models	Example: Is $\frac{1}{5}$ >, <, or = to $\frac{1}{6}$?
Step 1: Determine the fraction shown in the model.	
Step 2: Determine which symbol should be used when comparing the size of each fraction.	$\frac{1}{5}$ > $\frac{1}{6}$

1.

‑‑‑‑‑ ◯ ‑‑‑‑‑

4.

‑‑‑‑‑ ◯ ‑‑‑‑‑

2.

‑‑‑‑‑ ◯ ‑‑‑‑‑

5.

‑‑‑‑‑ ◯ ‑‑‑‑‑

3.

‑‑‑‑‑ ◯ ‑‑‑‑‑

6.

‑‑‑‑‑ ◯ ‑‑‑‑‑

Anne and Grace were playing Fraction War. Anne's card showed the fraction $\frac{1}{4}$ while Grace's card showed $\frac{1}{3}$. Which person had the larger fraction? Answer _____
Can you prove your answer by drawing models and labeling both?

Name _____

Directions: Add or subtract each fraction.

Adding or Subtracting Fractions	Example:
When you add or subtract fractions, the fractions must have the same denominator. Step 1: Make sure the denominators are the same. Step 2: Add or subtract the numerator.	$\dfrac{5}{8} + \dfrac{2}{8} = \dfrac{7}{8}$ $\dfrac{5}{8} - \dfrac{2}{8} = \dfrac{3}{8}$

1. $\dfrac{3}{8} - \dfrac{2}{8} =$	4. $\dfrac{1}{12} + \dfrac{3}{12} =$	7. $\dfrac{8}{8} - \dfrac{2}{8} =$
2. $\dfrac{1}{6} + \dfrac{3}{6} =$	5. $\dfrac{7}{10} - \dfrac{3}{10} =$	8. $\dfrac{5}{6} + \dfrac{1}{6} =$
3. $\dfrac{3}{5} - \dfrac{1}{5} =$	6. $\dfrac{1}{2} + \dfrac{1}{2} =$	9. $\dfrac{2}{5} - \dfrac{1}{5} =$

10. Create a fraction addition problem with the denominator shown in the model. Shade the model to show your addition problem.

Addition Problem _____

11. Create a fraction subtraction problem with the denominator shown in the model. Shade the model to show your subtraction problem.

Subtraction Problem _____

Fruit Smoothies

Amy made fruit smoothies for her family. She used the ingredients shown below for each smoothie.

- $\frac{5}{8}$ cup of milk

- 2 cups of ice

- $\frac{3}{8}$ cup of blueberries

- $\frac{7}{8}$ cup of strawberries

Part A

Amy made four fruit smoothies. How many total cups of strawberries and blueberries did she use to make the smoothies?
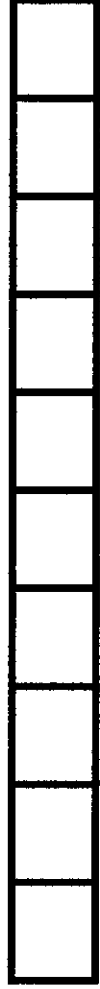
Part B

How many total cups of ice and milk did Amy use to make the four fruit smoothies?
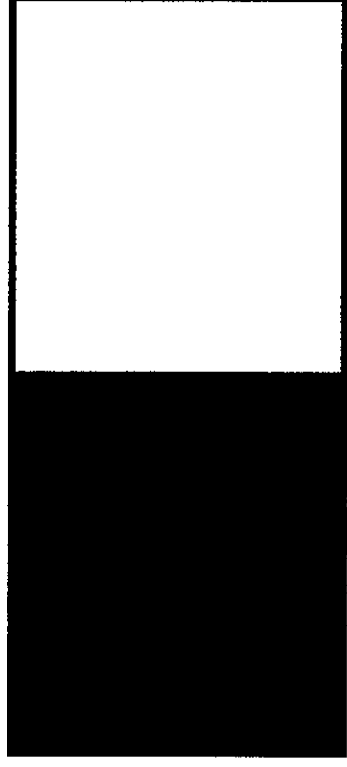
Name 2 equivalent
fractions for the
fraction below.
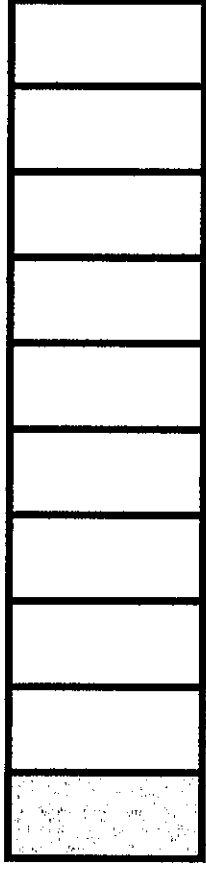
Card # 2

Is 5/10 equivalent to
1/2? Explain why or why
not.

Card # 4

Find the difference by
subtracting.

$$\frac{3}{10} - \frac{10}{100}$$

Card # 1

Using the model below,
draw the fraction
50/100.

Card # 3

Which statement below is true?

A. 0.45 > 0.54
B. 0.23 < 0.38
C. 0.24 > 0.5
D. 0.4 < 0.38

4.NF.7

Which symbol below makes the expression true?

0.40 ___ 0.4

A. >   B. <   C. =

4.NF.7

Which statement below is true?

A. 0.6 = 0.06
B. 0.6 < 0.06
C. 0.6 > 0.06

4.NF.7

Which symbol below makes the expression true?

0.87 ___ 0.77

A. >   B. <   C. =

4.NF.7