Wednesday August 2, 2017

How do I get ready for class?

1) On Desk: binder, notebook, pens/pencils

Homework:

Math Multiplication Puzzle

Upcoming.....

Fractions – Add & Subtract

Warm Up:

Get ready to review your HW

Name_____ Date _____ MULTIPLICATION

Solve the Riddle

1 digit x 3 or 4 digits

Do you know what Mary had when she went out to dinner?

To figure out this riddle, solve the following problems and find your answers in the code boxes below. Write the letter from each problem in the code box with the matching answer. If the answer appears in more than one code box, fill in each one with the same letter.

K 246 x 3	**R** 4,035 x 6	**E** 319 x 9	**N** 8,007 x 5
D 7,021 x 4	**L** 9,306 x 7	**T** 999 x 8	**H** 6,210 x 2
I 5,115 x 7	**B** 8,020 x 6	**P** 583 x 9	**A** 967 x 3
M 532 x 8	**Y** 6,039 x 9	**W** 826 x 5	**O** 3,244 x 3

5,247	2,871	9,732	5,247	65,142	2,871	738	40,035	9,732	4,130	4,256	2,901	24,210	54,351		
12,420	2,901	28,084	2,901	65,142	35,805	7,992	7,992	65,142	2,871	65,142	2,901	4,256	48,120		

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Answer Key

Solve the Riddle (page 17)

K 738	R 24,210	E 2,871	N 40,035
D 28,084	L 65,142	T 7,992	H 12,420
I 35,805	B 48,120	P 5,247	A 2,901
M 4,256	Y 54,351	W 4,130	O 9,732

Do you know what Mary had when she went out to dinner? *People know Mary had a little lamb.*

Cross Them Out #2

1 digit x 4 digits

Solve all nine multiplication problems below. Locate and cross out each of your answers in the grid. When you have finished, 28 boxes will remain. Working horizontally, left to right, write the remaining letters in order in the empty boxes below the grid to reveal the answer to the following question:

What did the father say to his son who wanted to be a tank driver when he grew up?

1. 9,639 × 4	**2.** 7,092 × 3	**3.** 8,421 × 2
4. 5,604 × 5	**5.** 4,434 × 9	**6.** 7,638 × 8
7. 3,333 × 3	**8.** 8,089 × 7	**9.** 6,532 × 6

R 5	B 6	E 6	R 2	M 3	I 4	C 8	C 1	A 6	R 8	M 4	S 2
E 6	R 3	S 8	M 5	O 5	R 6	K 3	B 9	R 9	A 0	E 6	R 4
T 7	A 2	I 4	G 8	H 1	T 2	I 7	N 6	N 3	[illegible]	[illegible]	W [illegible]
B 6	R 1	I 1	M 0	S 4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
T 9	R 9	I 9	M 9	[illegible]	[illegible]	N 4	I 3	N 9	G 1	S 9	B 2
Y 8	O 7	U 5	U 2	R 8	S 0	T 2	V 0	R 8	W 3	[illegible]	Y 5

I CERTAINLY WON'T STAND IN YOUR WAY.

Answer Key

Cross Them Out #2 (page 18)

1. 38,556	**2.** 21,276	**3.** 16,842
4. 28,020	**5.** 39,906	**6.** 61,104
7. 9,999	**8.** 56,623	**9.** 39,192

What did the father say to his son who wanted to be a tank driver when he grew up? *I certainly won't stand in your way.*

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Group Discovery
Real Numbers

- Discuss the characteristics of the numbers
- Sort the numbers any way you like with your partner

- Arrange the Number System labels in any order
- Assign each number to a label

Group Discovery
Real Numbers

Real Numbers
Irrational Numbers
Rational Numbers
Integers
Whole Numbers
Natural Numbers

Real Numbers

Natural Numbers:

- Counting numbers eg- 1, 2, 3. . .

$5, 2, \sqrt{25}, \frac{9}{3}$

Whole Numbers: $-5, 2, 0, \sqrt{25}, \frac{9}{3}$

- Natural numbers and 0

Integers :

- Natural numbers, 0 and the opposite of natural numbers – negative #s

$-\sqrt{25}, -6, -\frac{10}{2}, -5, 2, 0, \frac{9}{3}$

Real Numbers

Rational Numbers:

- Numbers that can be written as a fraction/ratio $\frac{a}{b}$, where a and b are integers, and b ≠ 0 $\frac{3}{5}, \frac{2}{3}, \frac{9}{3}, -\frac{10}{2}, \frac{5}{1}$
- Repeating decimal $0.\overline{4}$
- Terminating decimal $2.25, 0.5$

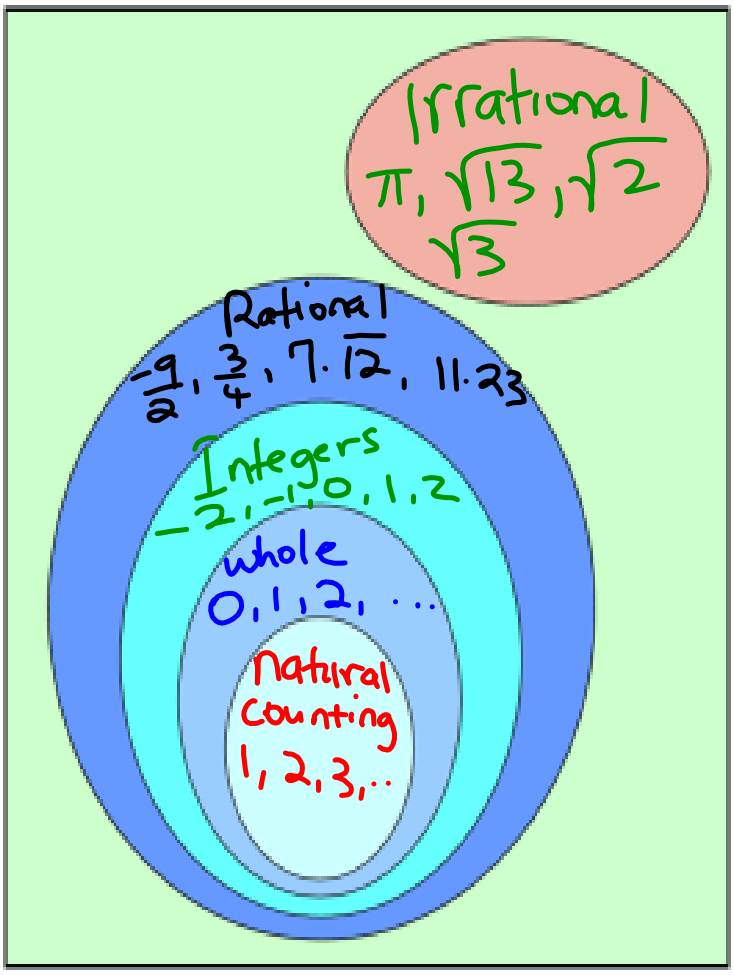
Irrational Numbers

- Cannot be written as a ratio, $\frac{a}{b}$ $\sqrt{13}$
- Non-repeating, nonterminating decimal

$0.349\ldots\ \pi$

Real Number System Venn Diagram

Name _____ Date 8/2/17



Name all the sets of number(s) to which each number belongs.

1. $\frac{-5}{6}$ real, rational
2. 35.99 real, rational
3. 0 Real, whole
4. $4\frac{1}{8}$ Real, Rational
5. $\sqrt{5}$ real, irrational
6. -80 Real, Integer
7. $\frac{12}{3}$ Real, Rational, whole, natural, integer
8. $\sqrt{100}$ Real, Rational, whole, natural, integer
9. $-\sqrt{4}$ Real, Integer, Rational
10. 3.24 Real, Rational
11. 3π Real, irrational

Real
Rational
Irrational
Integer
Whole Number
Natural Number

Closing

Give an example of the following numbers:

a) Whole 1, 2, 3 . . .

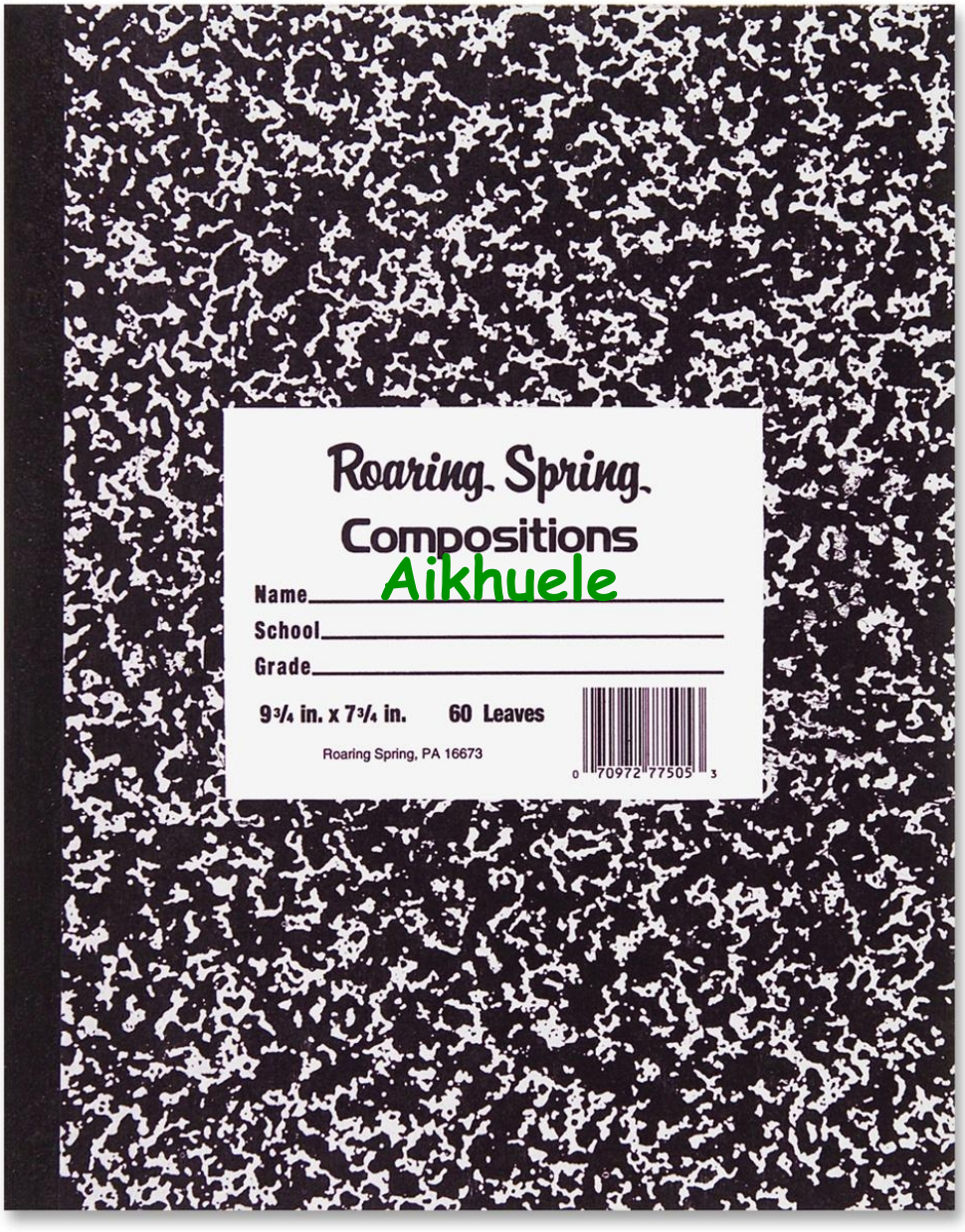
b) Integer −2, 2, 3

c) Irrational π $\sqrt{3}$ $\sqrt{2}$

Can a number be both whole and irrational? No

Explain why or why not. An irrational number cannot be written as a whole number.

Interactive Notebook



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Multiplication Table

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3		5	6		8	9	10		12
2	2		6	8			14	16	18		22	
3		6			15	18	21			30		36
4	4		12	16			28	32	36		44	
5	5	10			25	30			45	50		60
6		12		24	30			48	54	60		72
7	7		21			42	49	56			77	
8		16			40	48			72	80		96
9	9		27	36			63	72	81		99	
10		20	30			60	70			100		120
11	11		33	44	55			88	99		121	132
12	12	24			60	72		96		120	132	

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