



Warm Up

Solve Each of The Following In Your Notebooks

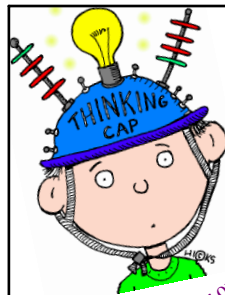
$$1) \quad 3 + 7(10-6) - 2 =$$

No talking try it on your own



$$2) \quad 10 \times 5 + 3(12-3) =$$

Sep 6-3:26 PM



Warm Up

Solve Each of The Following In Your Notebooks

$$1) \quad 3 + 7(10-6) - 2 =$$

$$3 + 7(4) - 2$$

$$3 + 28 - 2$$

$$31 - 2$$

$$29$$

No talking try it on your own



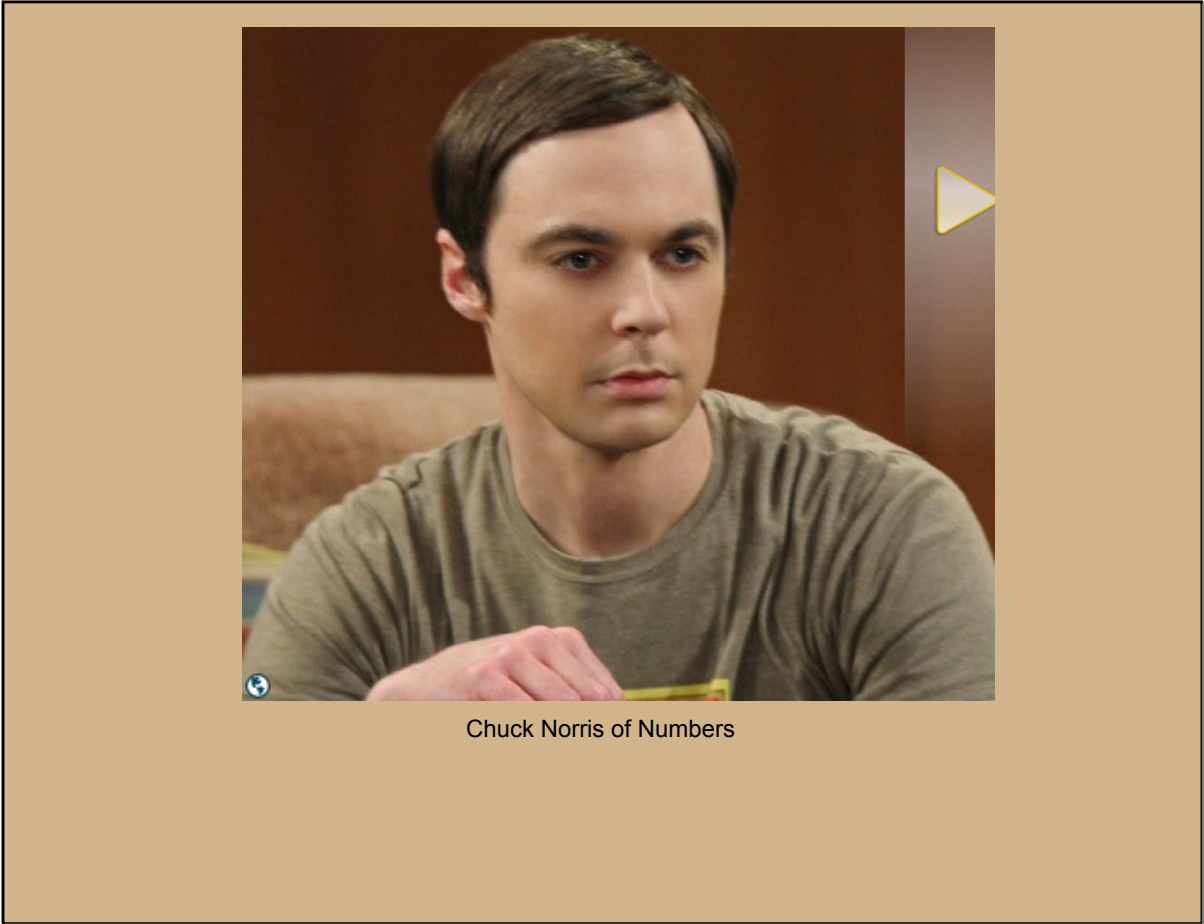
$$2) \quad 10 \times 5 + 3(12-3) =$$

$$10 \times 5 + 3(9)$$

$$50 + 27$$

$$77$$

Sep 6-3:26 PM



Feb 3-8:08 AM

THE NUMBER SYSTEM


π $\frac{1}{8}$

0 $0.\overline{6}$ $\sqrt{7}$

$0.33333333\dots$ $1, 2, 3, 4, 5, 6\dots$

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

Apr 28-7:42 AM



Natural Numbers	N
Whole Numbers	W
Integers	I
Rational	Q
Irrational	\bar{Q}
Real	R

Mar 20-7:21 PM

THE NUMBER SYSTEM

W = Whole Numbers

I = Integers

 \bar{Q} = Irrational Numbers

R = Real Numbers

N = Natural Numbers

 Q = Rational Numbers**EXAMPLES:**

W: 0, 1, 2, 3, ...

 \bar{Q} : π (3.141592...), $\sqrt{3}$, 1.23456738..., $\sqrt{15}$, ...

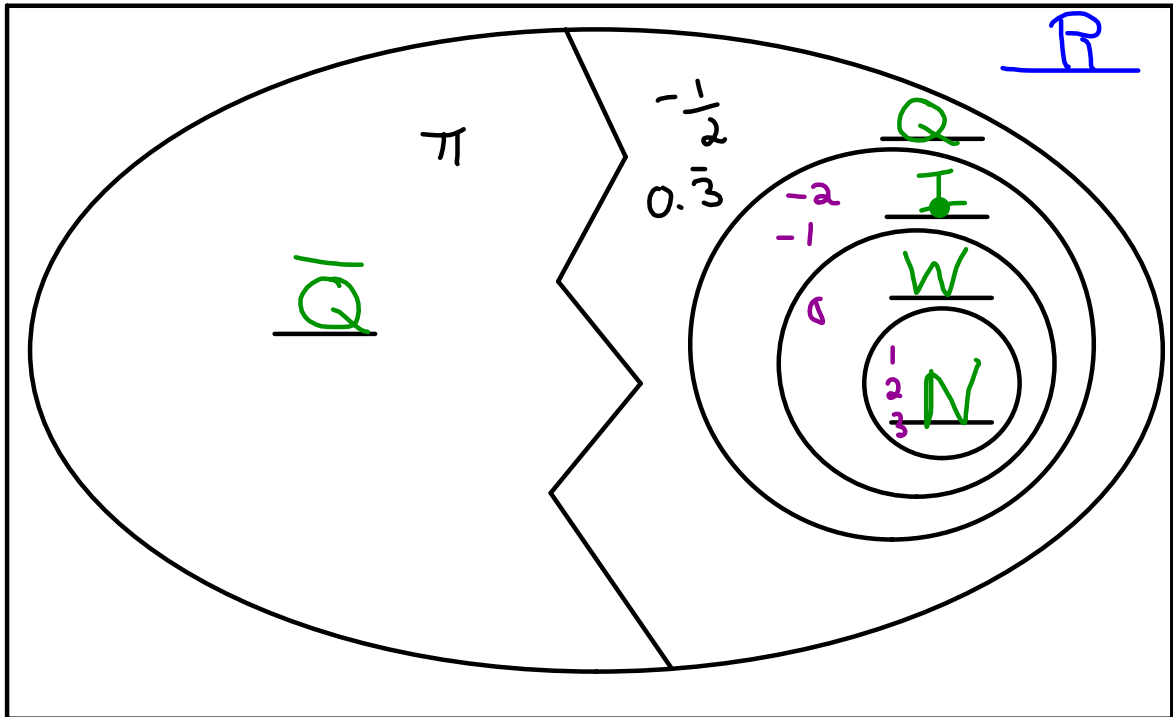
N: 1, 2, 3, ...

I: ...-3, -2, -1, 0, 1, 2, 3, ...

R: $-\frac{1}{2}$, $\sqrt{15}$, 0, -3, 3, π (3.141592), ... Q : $\frac{1}{2}$, $-\frac{1}{2}$, $\frac{11}{3}$, 0.2, -0.2, 3, -3, 0, ...

Apr 28-9:05 AM

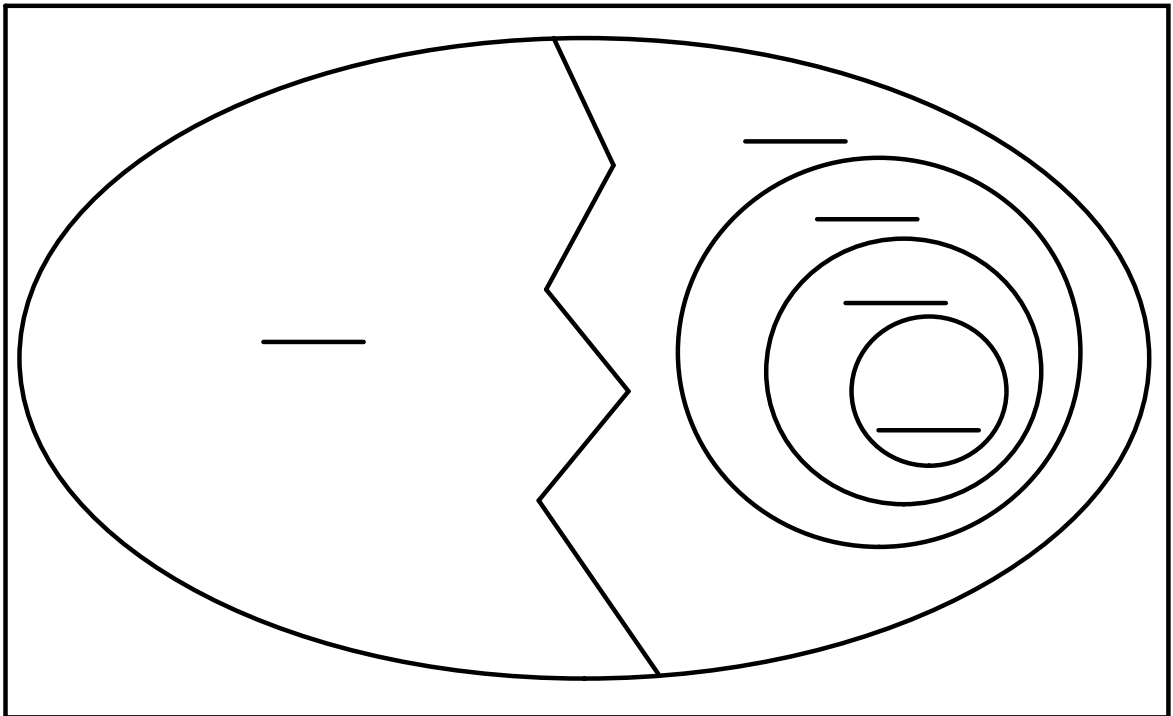
TITLE: The Number System



Apr 28-9:06 AM

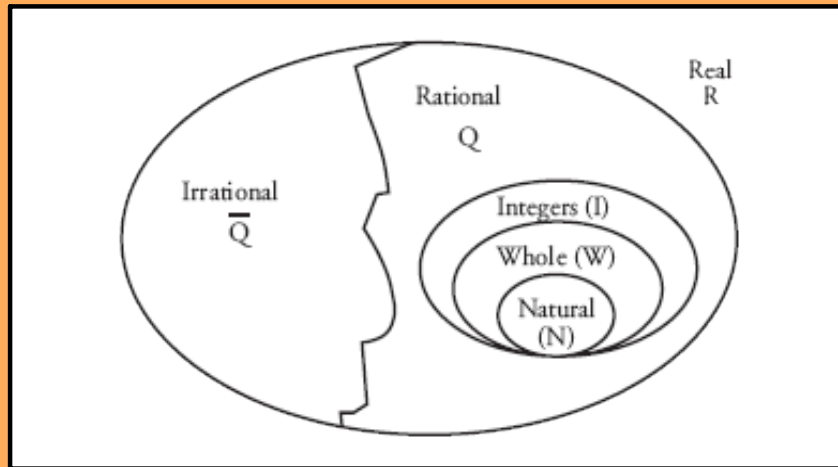
TITLE: _____

Q W I N R Q



Apr 28-9:10 AM

Review of Types of Number Systems



Mar 20-7:21 PM

THE NUMBER SYSTEM

Natural Numbers: All positive non-zero numbers
Counting numbers Ex. 1, 2, 3 etc

Whole Numbers: Counting numbers including zero.
Ex. 0, 1, 2, 3, etc

Integers: Are all positive and negative whole numbers.
(Remember zero is neither negative or positive)
Ex: ...-3, 2, 1, 0, -1, -2, -3...

Rational Numbers: All whole numbers, fractions, mixed numbers, decimals and their negatives
The decimal must repeat or terminate also.
Ex: $\frac{1}{3}$, 4, $\frac{3}{4}$

Irrational Numbers: Decimals that never terminate or repeat.
Ex: $\sqrt{2}$

Real Numbers: All rational and irrational numbers are real numbers
Ex: All possible numbers

Mar 20-7:44 PM

Exercise

Complete the table

$$\sqrt{7} = 2.645751311 \dots$$

	N	W	I	Q	\bar{Q}	R
5	✓	✓	✓	✓		✓
-2			✓	✓		✓
<u>3</u>				✓		✓
4				✓		✓
<u>-1.3</u>				✓		✓
$\sqrt{7}$					✓	✓
$\sqrt{9}=3$	✓	✓	✓	✓		✓

Mar 20-8:09 PM