Warm Up

Solve Each of The Following In Your Notebooks

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

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

No talking try it on your own

Warm Up

BEDMAS

Solve Each of The Following In Your Notebooks

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

$= 3 + 7(4) - 2$

$= 3 + 28 - 2$

$= 31 - 2$

$= 29$

No talking try it on your own

No talking try it on your own

Warm Up

BEDMAS

Solve Each of The Following In Your Notebooks

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

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

$= 50 + 27$

$= 77$

Chuck Norris of Numbers

THE NUMBER SYSTEM

π

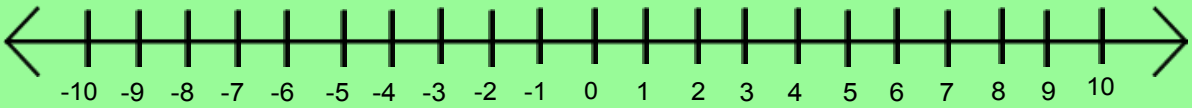
$\frac{1}{8}$

0

$\sqrt{7}$

$0.3333333\ldots = \frac{1}{3}$

1, 2, 3, 4, 5, 6...



Number systems

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

THE NUMBER SYSTEM

W =	Whole Numbers	I =	Integers
$\overline{Q}$ =	Irrational Numbers	R =	Real Numbers
N =	Natural Numbers	Q =	Rational Numbers

EXAMPLES:

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

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

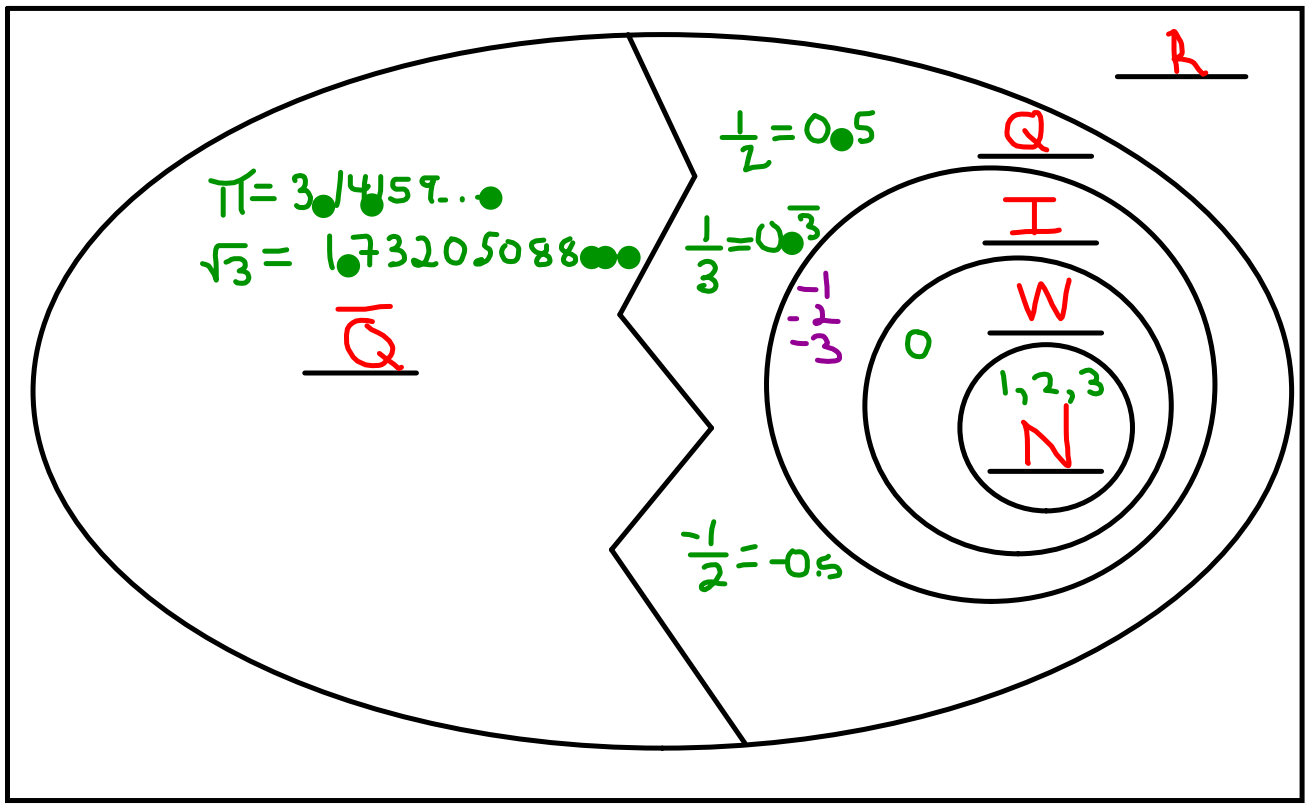
~~N: 1, 2, 3, ...~~

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

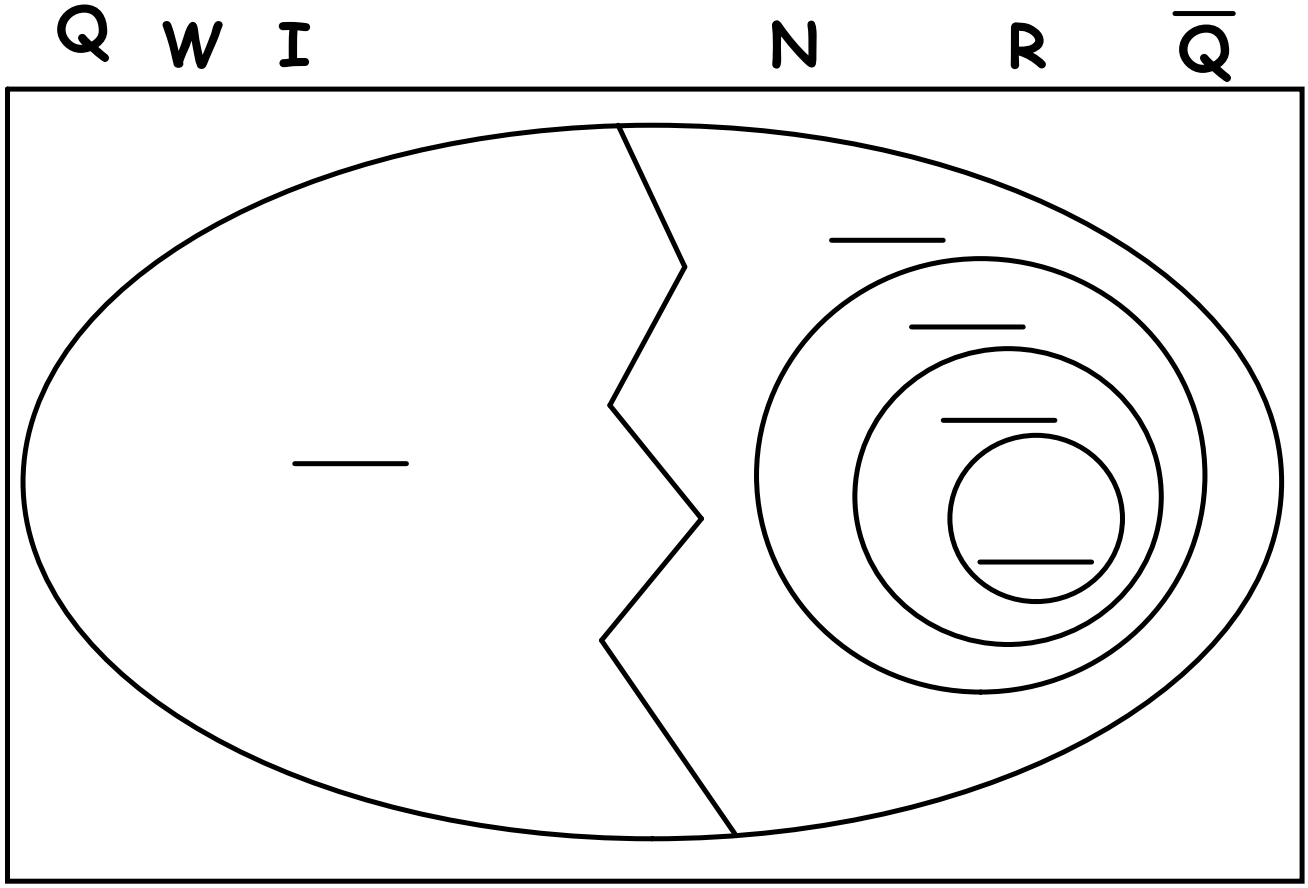
R: $-\frac{1}{2}$, $\sqrt{15}$, 0 , -3 , 3 , π (3.141592) , ...

Q: $\frac{1}{2}$, $-\frac{1}{2}$, $\frac{11}{3}$, 0.2 , -0.2 , 3 , -3 , 0 , ...

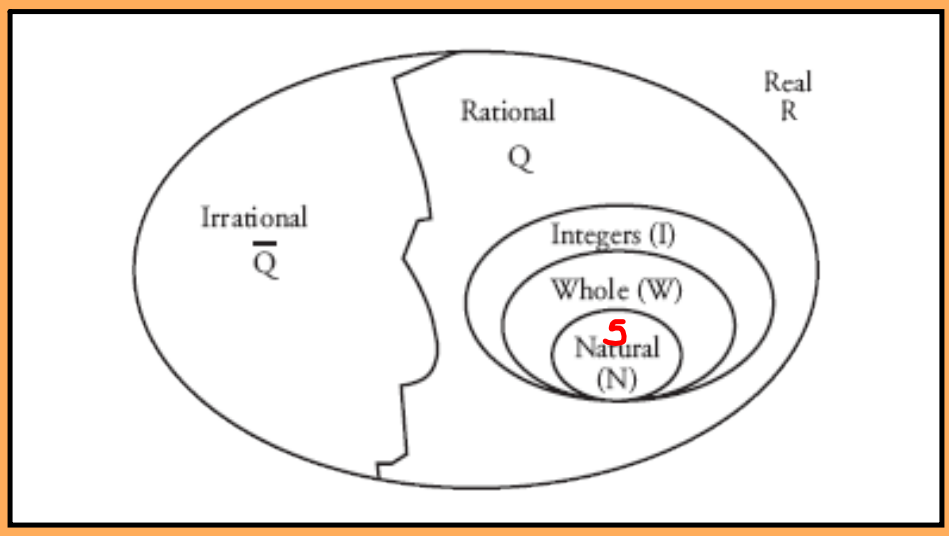
TITLE: The Number Systems



TITLE: _____



Review of Types of Number Systems



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: 1/3, 4, 3/4

Irrational Numbers: Decimals that never terminate or repeat.
Ex: $\sqrt{2}$, 0.1324854752...

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

Exercise

Complete the table

	N	W	I	Q	$\overline{Q}$	R
5	✓	✓	✓	✓	✗	✓
-2	✗	✗	✓	✓	✗	✓
$\frac{3}{4}$						
-1.3						
$\sqrt{7}$						
$\sqrt{9}$						