

Goal: I will be able to understand rational numbers

Tool Bag  
Formulas, equations,  
Vocabulary, etc.

Here's How... Notes & Examples

Order of Operations

<b>G</b>	<b>E</b>	<b>M</b>	<b>D</b>	<b>A</b>	<b>S</b>
Grouping	Exponents	Multiplication	Division	Addition	Subtraction
( ) [ ]	3 <sup>2</sup>	x /	÷ /	+	-

Example

$10 \div 5 \times 3$   
 $2 \times 3$   
 $6$

$8 - 6 + 4$   
 ~~$8 - 10$~~   $\rightarrow$   $2 + 4$   
 ~~$-2$~~   $6$

$9 - 14 \div 2 \times 6 + 1$   
 $9 - 7 \times 6 + 1$   
 $9 - 42 + 1$   
 $-33 + 1$   
 $-32$

Rational Number

Ratio  
 $\frac{a}{b}$   
a to b

Examples

any number that can be written as  $\frac{a}{b}$  where a, b are integers

$\frac{1}{2}$   $6 = \frac{6}{1}$   $5.3 = 5\frac{3}{10} = \frac{53}{10}$   
 $0.\bar{3} = \frac{1}{3}$   $-0.57 = \frac{-57}{100}$

Blank box for notes or examples.