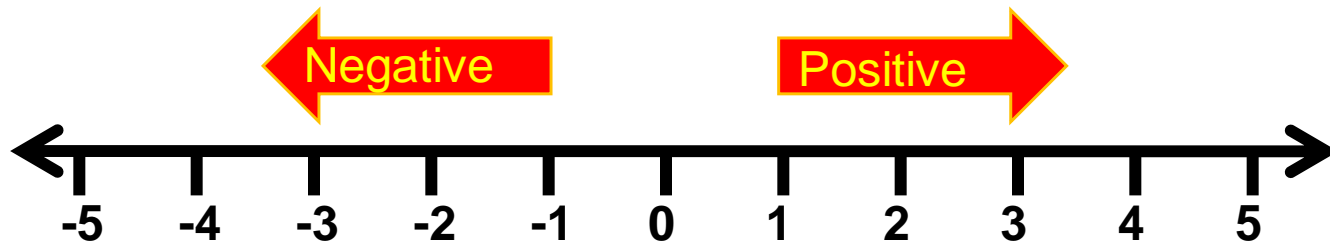# 2.1

Rational Numbers

Kinds of Numbers

Natural Numbers

Whole Numbers

Integers

Rational Number

What's a Rational Number?

A number that can be written as the ratio _____ where a and b are _____ and $b \neq 0$.

Examples:

Decimal Places

1	5,	3	2	8	.	7	4	9	6

Reading & writing a decimal

Write the following decimals in words.

1) 3.4

2) 0.08

3) 5.013

Ordering Decimals

Use <, >, or = to compare the following:

4)   0.64 ____ 0.68

5)   0.2 ____ 0.02

6)   0.050 ____ 0.05

7)   7.45 ____ 7.050

Ordering Decimals

Order the following decimals from least to greatest

8)   2.3 , 2.09, 2.32, 2.27, 2.37

9)   0.25, 0.5 , 2.5, 0.2 , 0.02

10)   0.10, 0.07, 0.17, 1.7 , 0.7

Converting Fractions to Decimals

Convert the following into a decimal:

1) $\dfrac{4}{5}$

2) $-\dfrac{3}{8}$

Converting Fractions to Decimals

Convert the following into a decimal:

3) $-\dfrac{6}{5}$

4) $5\dfrac{3}{4}$

Converting Fractions to Decimals

Convert the following into a decimal:

5) $-7\dfrac{9}{25}$

Converting Fractions to Decimals

Convert the following into a decimal:

6) $-\dfrac{5}{9}$

6) $\dfrac{7}{11}$

Converting Decimals to Fractions

Convert the following into a fraction:

7) 0.8

8) 0.36

Converting Decimals to Fractions

Convert the following into a fraction:

9) 0.375   10) 7.45

Comparing and Ordering Rational Numbers

Use <, >, or =

11) $-1\dfrac{3}{10}$ _____ -1.03

12) $.625$ _____ $\dfrac{2}{3}$

Comparing and Ordering Rational Numbers

Order from least to greatest

13) $-\dfrac{1}{2}, \ 0.04, \ \dfrac{3}{8}, \ -0.45$

Comparing and Ordering Rational Numbers

Order from least to greatest

14) $-\dfrac{3}{4}, \ -\dfrac{7}{3}, \ 1.2$