

12.1

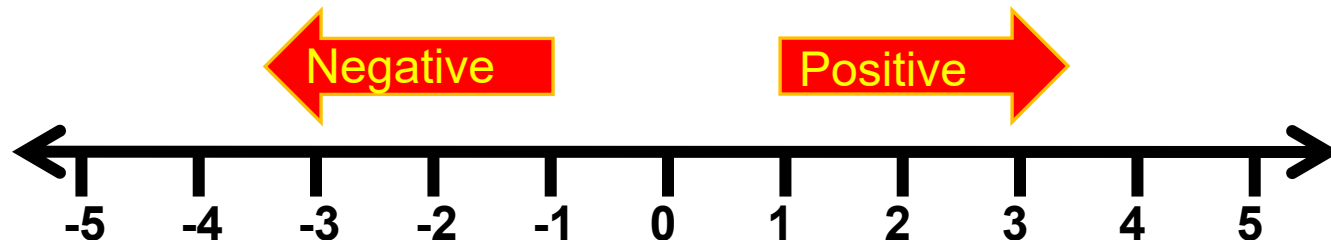
Rational Numbers

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) $\frac{4}{5}$

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

Converting Fractions to Decimals

Convert the following into a decimal:

$$3) \quad -\frac{6}{5}$$

$$4) \quad 5\frac{3}{4}$$

Converting Fractions to Decimals

Convert the following into a decimal:

$$5) \quad -7\frac{9}{25}$$

Converting Fractions to Decimals

Convert the following into a decimal:

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

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

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 =

$$11) \quad -1\frac{3}{10} \quad \underline{\hspace{1cm}} \quad -1.03$$

$$12) \quad .625 \quad \underline{\hspace{1cm}} \quad \frac{2}{3}$$

Comparing and Ordering Rational Numbers

Order from least to greatest

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

Comparing and Ordering Rational Numbers

Order from least to greatest

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