

# Welcome

Introductions

## Course Statements

Being Creative!!!

## Estimation

Website

## Getting Ready!

# Course Outline

Application	Communication	Knowledge	Thinking / Problem Solving
<ul style="list-style-type: none"><li>✓ Achievement checks</li><li>✓ Assignments</li><li>✓ Tests</li></ul>	<ul style="list-style-type: none"><li>✓ Written answers on quizzes and tests</li><li>✓ Achievement checks</li></ul>	<ul style="list-style-type: none"><li>✓ Quizzes</li><li>✓ Tests</li></ul>	<ul style="list-style-type: none"><li>✓ TIPS problems – End of unit problems.</li><li>✓ Final TIPS problem</li></ul>

# Creativity

Mathematics is Like ...

# Estimation

How Tall is Mr. Orr



# Estimation

Answer: 6 feet





# Estimation

How Tall are the Mini Orrs



# Estimation

Answer: 38 inches  
42 inches



# Website

**MR. ORR IS A GEEK.COM**

*Mr. Orr's Math Page @ JMSS*

Home

3U

MCF3M

MCV4U

MDM4U

MHF4U

P.O.T.W

Projects





# 3 - Act Math

Waterballoon!

# 3 - Act Math

Black Box

# Fractions

Simplify the following expressions:

a)  $\frac{5}{6} + \frac{7}{4}$

b) !

c) ·

d)

# Fractions

Simplify the following expressions:

$$b) 5\frac{1}{7} - 2\frac{3}{5}$$



# Fractions

Simplify the following expressions:

$$c) \frac{3}{8} \times \frac{10}{9}$$

*d)*

# Fractions

Simplify the following expressions:

$$d) \frac{6}{9} \div \frac{4}{12}$$

# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

*b)*

*c)*

*d)*

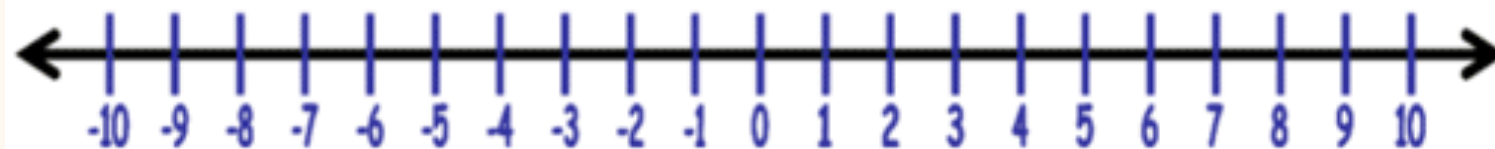
*e)*

*f)*

*g)*

*h)*

*a)*  $7 - 3$



# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

$$b) 5 - 8$$

*c)*

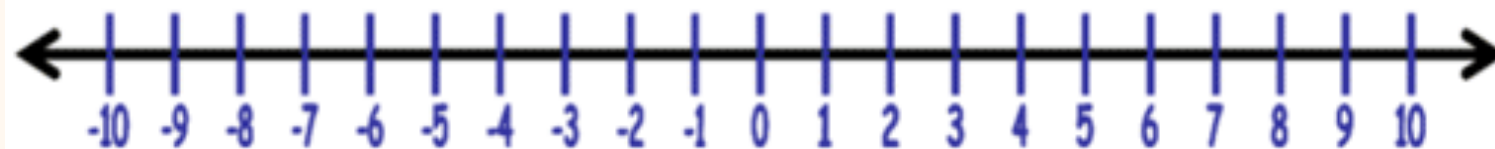
*d)*

*e)*

*f)*

*g)*

*h)*





# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

$$c) -2 - 3$$

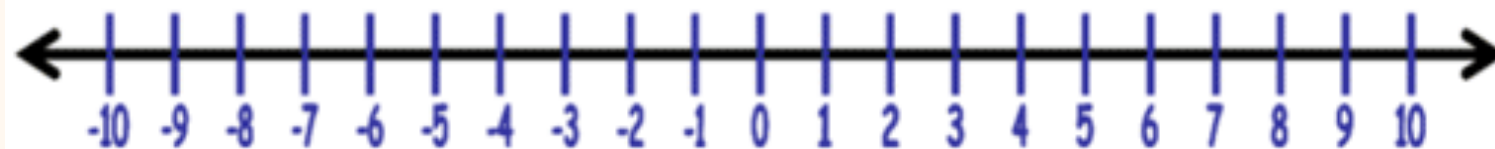
*d)*

*e)*

*f)*

*g)*

*h)*



# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

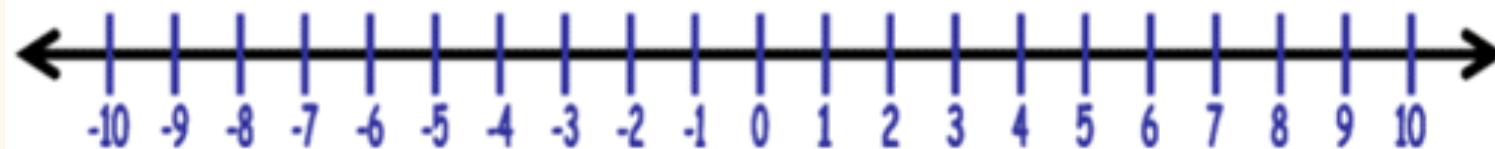
$$d) -6 + 9$$

*e)*

*f)*

*g)*

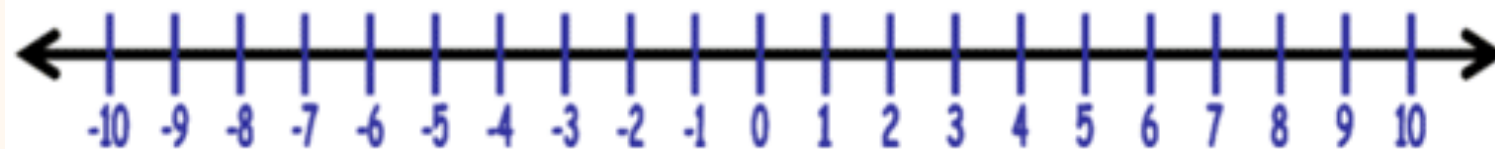
*h)*



# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

$$e) 2 - (-3)$$



*f)*

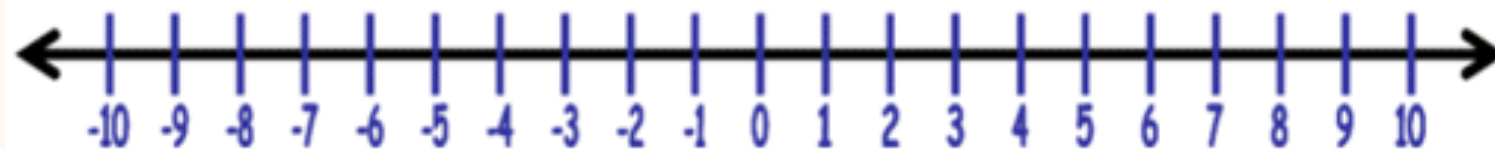
*g)*

*h)*

# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

$$f) 3 + (-5)$$



*g)*

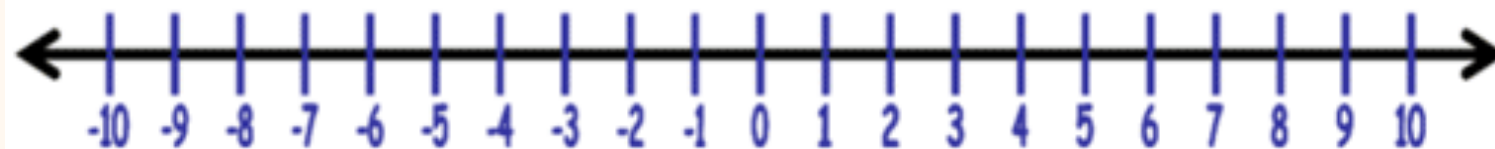
*h)*



# Add and Subtract Integers

Simplify the following expressions. Use the number line to help you.

$$g) -1 - (+7)$$



*h)*

# Multiply and Divide Integers

Simplify the following expressions.

*a)*  $(-5) \times (-3)$

*b)*

*c)*

*d)*

# Multiply and Divide Integers

Simplify the following expressions.

$$b) 4 \times (-7)$$

$c)$

$d)$

# Multiply and Divide Integers

Simplify the following expressions.

$$c) -18 \div 3$$

*d)*



# Multiply and Divide Integers

Simplify the following expressions.

$$d) (-54) \div (-6)$$

# BEDMAS

BEDMAS reminds us of which operations come first when we simplify an expression.

B  
E  
D  
M  
A  
S

# BEDMAS

Simplify each expression.

$$a) 3 + 5 \times 6$$

# BEDMAS

Simplify each expression.

$$b) 3 \times 2^3 - 5$$

*c)*

*d)*

# BEDMAS

Simplify each expression.

$$c) (8 - 3) \times (-5 - 4)$$

*d)*

# BEDMAS

Simplify each expression.

$$d) 4(2 - 7) - 2(-1 + 6)$$