What's Going On?

Checking In	Some Reminders
Minds on	Numeracy Quiz
Action!	Back to Basics
Consolidation	Whiteboards

Learning Goal - I will be comfortable adding, subtracting multiplying and dividing integers and fractions.

Checking In

Required Materials

By yesterday you **need to have**:

- a pencil
- paper
- a ruler
- a SEPARATE binder for this course
- a SCIENTIFIC CALCULATOR

EVERY DAY

Checking In

Course Website

gilbertmath.com

All lessons

Assignments

Important Dates

Course Overview

Minds on

Basic Numeracy Skills Quiz

We will start today with a basic numeracy skills quiz.

You **cannot** use a calculator.

Action!

Back to Basics

Multiplying Two Integers

(+4) x (+3)	(+6) x (-1)	(-2) x (+5)	(-2) x (-3)
= +12	= −6	= −10	= +6

Action!

Back to Basics

Multiplying Two Integers

If we are multiplying **two positive** integers, the result will be positive.

If we are multiplying **two negative** integers, the result will be positive.

If we are multiplying **one positive** and **one negative** integer, the result will be negative.

Action!

Back to Basics

Dividing Two Integers

The rules are the same as for **multiplying** two integers...

(+8) ÷ (+4)	(+6) ÷ (-1)	(-10) ÷ (+5)	(-6) ÷ (-3)
= +2	= -6	= -2	= +2

Action!

Back to Basics

Dividing Two Integers

If we are dividing **two positive** integers, the result will be positive.

If we are dividing **two negative** integers, the result will be positive.

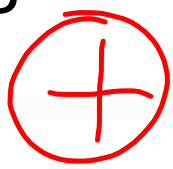
If we are dividing **one positive** and **one negative** integer, the result will be negative.

Action!

Back to Basics

Multiplying OR Dividing Two Integers

Basically, if the signs are:

THE SAME 

DIFFERENT 

Action!

Back to Basics

Multiplying Several Integers

$(+1)(+2)(+3)(+4) = +24$	$(+1)(-2)(+3)(+4) = -24$
$(+1)(-2)(-3)(+4) = +24$	$(+1)(-2)(-3)(-4) = -24$
$(-1)(-2)(-3)(-4) = +24$	$(-1)(-2)(-3)(-4)(-5) = -120$

Action!

Back to Basics

Multiplying Several Integers

Count up the negative signs

If there are an even number of negatives,

the result is positive

If there are an odd number of negatives,

the result is negative.

$$\frac{1}{2} \times \frac{2}{3} = \frac{2}{6}$$

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

$$\left(-\frac{2}{3}\right)\left(\frac{4}{5}\right) = -\frac{8}{15}$$

$$\left(\frac{-2}{3}\right)\left(\frac{4}{5}\right)$$

Homework

Pg. 102-103

#1-6

Consolidation

Whiteboards!

We will be using the whiteboards quite a bit! They're awesome!

They come with a few rules...

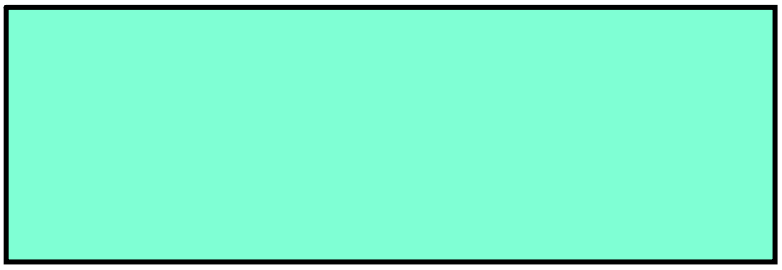
1. Don't 'doodle' on them.

   It wastes the markers and generally means you aren't paying attention.

2. Clean them between answers and at the end. Mrs. High and I are not responsible for cleaning up after you.

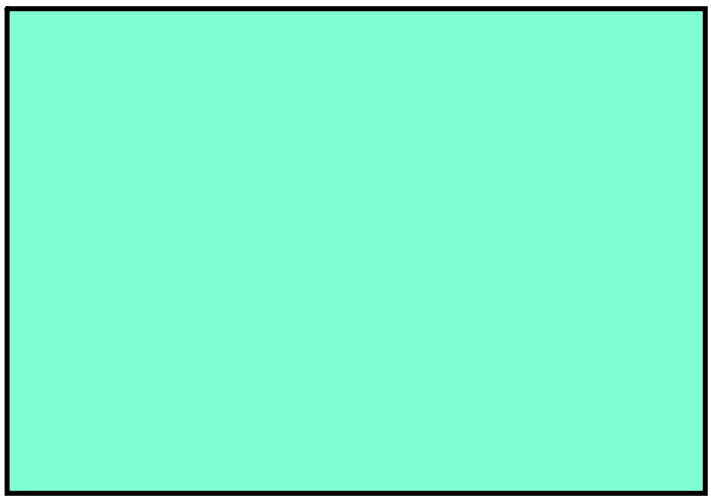
$$(-7) + (-4)$$

$$(4) + (-13)$$



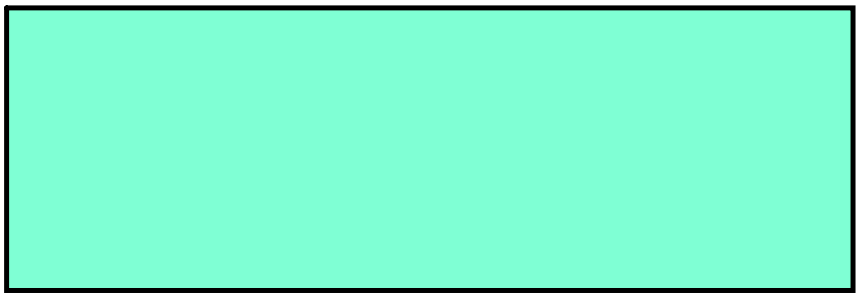
,

$$(-3) - (9)$$

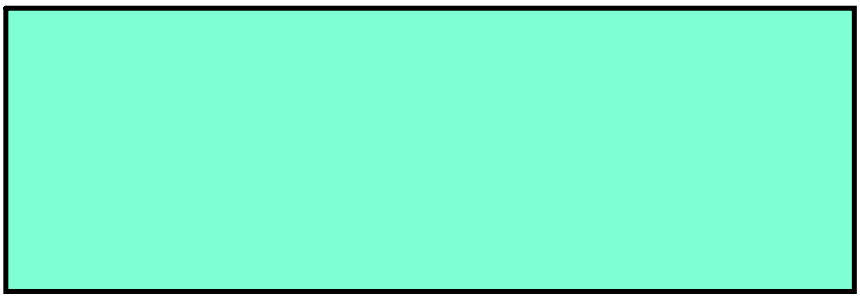


$$(-2) - (-16)$$

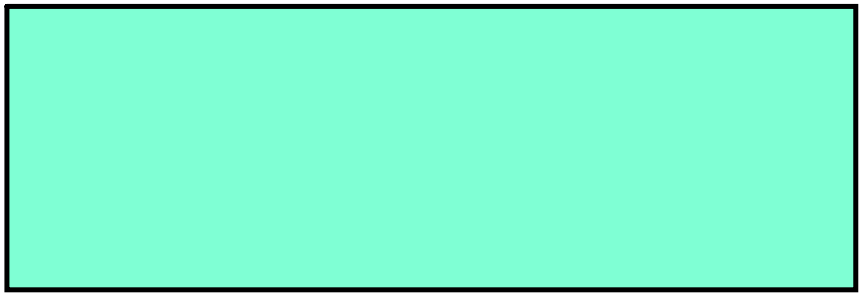
$$-2 \times -7$$



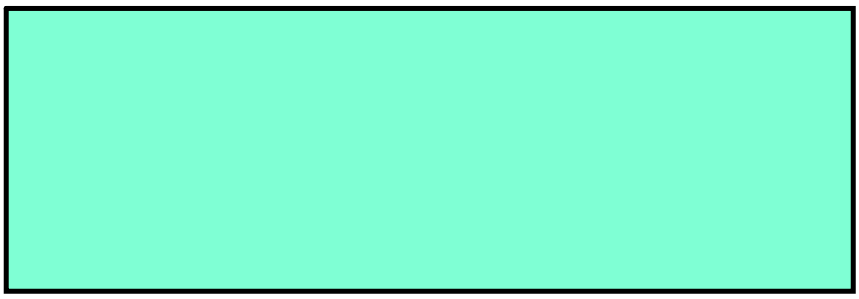
$$7 \times (-2)$$



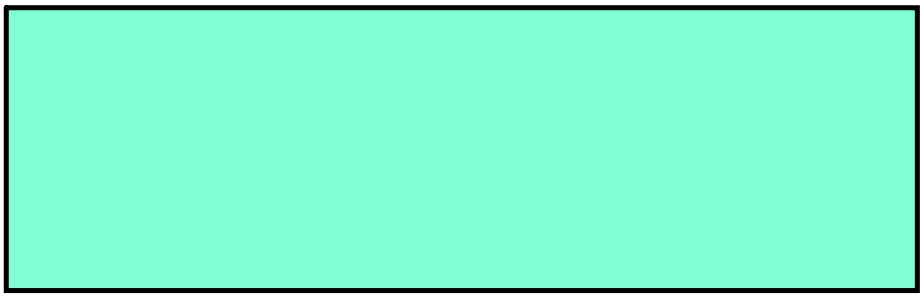
$$24 \div -8$$



$$\frac{-15}{5}$$

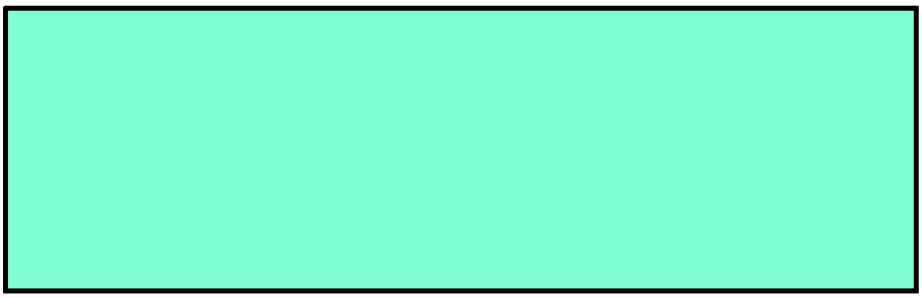


$$-6 + (-7) - 3$$



$$11 - (-2) - 6 + 1$$

$$-6 - 10 - (-12)$$



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