What's Going On?

Checking In

Minds on Course Website / Outlines

Action! Integer Rules

Consolidation Mastering Integers

Learning Goal - I will review how to add, subtract, multiply and divide integers.

Simplify.

$$(-8) - (-4) - (3 - 9)^2 \div 3$$

8
−16

$= -8 + 4 - (-6)^2 \div 3$

$= -8 + 4 - 36 \div 3$ $(-6)(-6)$

$= -8 + 4 - 12$

$= -4 - 12$

$= -16$

Minds on

Course Outlines

I need to see your course outlines signed by you and a guardian.

Action!

Integer Rules

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.

$+ \times + = +$

$- \times - = +$

$+ \times - = -$

$- \times + = -$

$(-3)(+6)$
$= -18$

$(-5)(-8)$
$= +40$

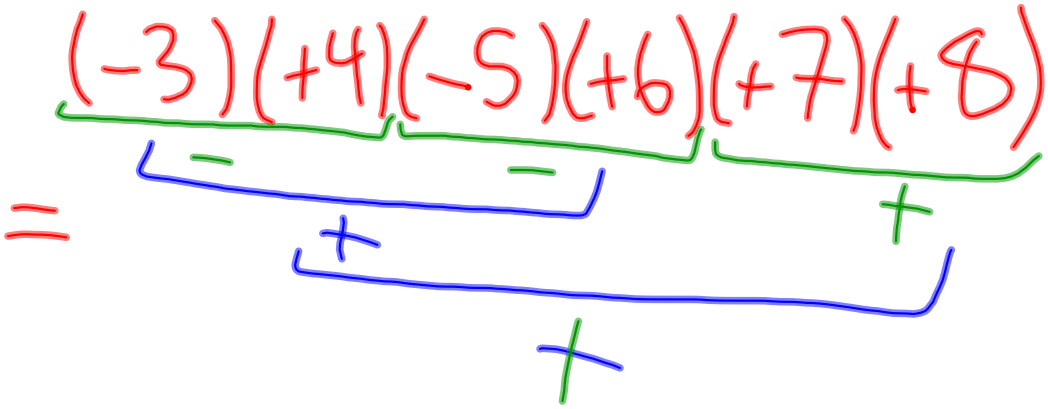
$(+7)(-9)$
$= -63$

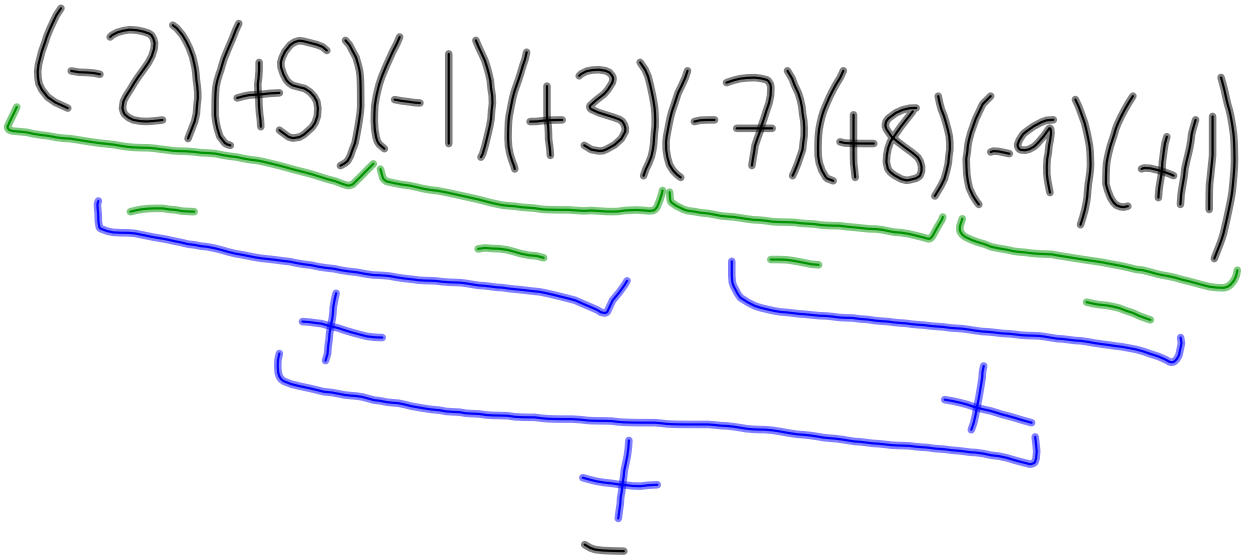
$(-8)(-7)$
$= +56$

Action!

Integer Rules

Multiplying Several Integers





If we are multiplying several integers together, the result will be negative ONLY IF we have an odd number of negatives.

If we have an even number of negatives, the result will ALWAYS be positive.

$(+1)(-2)(+3)(-1)(-1)(-1)(-1)$

$= -6$

Action!

Integer Rules

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.

Consolidation

Mastering Integers

We will have two "mastery" tests.

These will test your ability to perform basic operations on integers.

The first one is practice, the second one counts for marks.