

Do NOT Write On Leave for next class

Copy into notebook as we go through each excersize

Rules of Adding Integers

Like Signs

pos. + pos.
4 + 9

Add numbers (Absolute values)

Answer positive

4 + 9 =

neg + neg
-6 + (-4)

Add numbers (Absolute Values)

Answer negative

-6 + (-4) =

example
13 + 22 =

example
-52 + (-12) =

Do NOT Write On Leave for next class

Copy into notebook as we go through each excersize

Adding Integers

Like Signs

Using a number line (take a walk)

pos. + pos.

$$6 + 3 =$$

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

neg + neg

$$-3 + (-4) =$$

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

Do NOT Write On Leave for next class
Copy into notebook as we go through each excersize

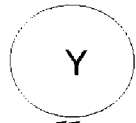
Adding Integers

Like Signs Using Chips



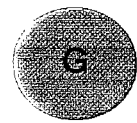
blue

positive 1
1



yellow

negative 1
-1



green

Zero
0

pos + pos
 $5 + 2$

+

neg + neg
 $-4 + (-5) =$

+

Do NOT Write On Leave for next class

Copy into notebook as we go through each excersize

Rules of Adding Integers **Unlike Signs**

pos. + neg **OR** neg + pos

positive number has
larger absolute value

Subtract numbers (Absolute Values)

Larger - Smaller

Answer Positive

$$-4 + 9 =$$

Think $9 - 4 = 5$

$$-4 + 9 =$$

$$35 + (-19) =$$

negative number has
larger absolute value

Subtract numbers (Absolute Values)

Larger - Smaller

Answer Negative

$$7 + (-8) =$$

Think $8 - 7 = 1$

$$7 + (-8) =$$

$$-29 + 16 =$$

Do NOT Write On Leave for next class

Copy into notebook as we go through each excersize

Adding Integers

Unlike Signs

Using a number line (take a walk)

**positive number has
larger absolute value**

$$\mathbf{-8 + 12 =}$$

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

**negative number has
larger absolute value**

$$\mathbf{5 + (-15) =}$$

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

Do NOT Write On Leave for next class

Copy into notebook as we go through each excersize

Adding Integers

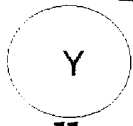
Unlike Signs Using Chips



blue

positive 1

1



yellow

negative 1

-1



green

Zero

0

positive number has larger absolute value

$$6 + (-4) =$$

+

negative number has larger absolute value

$$-3 + 1 =$$

+

Do NOT Write On Leave for next class

Copy into notebook as we go through each excersize

Rules of Adding more than 2 Integers

Work from Left to Right

$$7 + (-8) + (-4) + 9 =$$

$$-1 + (-4) + 9 =$$

$$-5 + 9 =$$

4

Rewrite Problem = Answer

$$7 + (-8) + (-4) + 9 = 4$$

example problem:

$$-6 + (-15) + 7 + 3 =$$

Do NOT Write On Leave for next class

Copy into notebook as we go through each exercise

Rules of Adding more than 2 Integers

Grouping positive and negative numbers

$$7 + (-11) + (-8) + 10 + 5 + (-7) =$$

move positive numbers to one side negative numbers to the other

$$7 + (-11) + (-8) + 10 + 5 + (-7) =$$

rewrite problem

$$7 + 10 + 5 + (-11) + (-8) + (-7) =$$

**add absolute values
of positive numbers:**

$$7 + 10 + 5 = 22$$

**add absolute values
of negative numbers:**

$$11 + 8 + 7 = 26$$

rewrite problem

$$22 + (-26) = -4$$

Add

$$\text{Think } 26 - 22 = 4$$

Answer = -4

Rewrite Problem = Answer

$$7 + (-11) + (-8) + 10 + 5 + (-7) = -4$$

example problem:

$$-6 + (-12) + 7 + (-3) + 29 + 13 =$$