

Adding Integers Rules

Ask yourself two questions:

- Do I add or subtract?
- Is the answer + or -?

Same	Different
+ +	+ -
- -	- +
Add	Subtract

*Always take the sign of the integer you have more of.

Examples:

4 + -2 = You have more (+) positive.

•Do I add or subtract? (Different) Subtract

•Is the answer + or - ? **+**

Answer = +2

-8 + -5 = You have more (-) negative.

•Do I add or subtract? (Same) Add

•Is the answer + or - ? **-**

Answer = -13

-10 + 25 = You have more (+) positive.

•Do I add or subtract? (Different) Subtract

•Is the answer + or - ? **+**

Answer = +15

-28 + 11 = You have more (-) negative.

•Do I add or subtract? (Different) Subtract

•Is the answer + or - ? **-**

Answer = -17

-12 + 12 = You have the same of both.

•Do I add or subtract? (Different) Subtract

•Is the answer + or -? **0 is just 0**

Never put + or - on 0

Answer = 0

Subtracting Integers Rules

1. Change into an adding problem by using:
Copy Change Opposite
CCO
2. Follow Adding Rules:

Ask yourself two questions:

- Do I add or subtract?
- Is the answer + or -?

Same Different

+ +

+ -

- -

- +

Add Subtract

***Always take the sign of the integer you have more of.**

Examples:

$$-14 - (-5) =$$

Copy Change Opposite

$$\underline{-14} + 5 = \text{You have more (-) negative.}$$

•Do I add or subtract? (Different) Subtract

•Is the answer + or - ? -

$$\text{Answer} = -9$$

$$-18 - (-15) =$$

Copy Change Opposite

$$\underline{-18} + 15 = \text{You have more (-) negative.}$$

•Do I add or subtract? (Different) Subtract

•Is the answer + or - ? -

$$\text{Answer} = -3$$

$$11 - (-35) =$$

Copy Change Opposite

$$11 + \underline{35} \text{ You have more (+) positive.}$$

•Do I add or subtract? (same) Add

•Is the answer + or - ? +

$$\text{Answer} = +46$$

Multiply and Dividing Integers

1. Multiply or Divide

2. Count negative signs.

Even

- -

Positive

Odd

-

Negative

Examples:

$$-2 \bullet -3 \bullet -1 =$$

1. Multiply = 6

2. Count 3 negative signs (odd)

Answer -6

$$-14 \div -2 =$$

1. Divide = 7

2. Count 2 negative signs (even)

Answer +7

$$-8 \bullet -4 =$$

1. Multiply = 32

2. Count 2 negative signs (even)

Answer +32

$$18 \div -3 =$$

1. Divide = 6

2. Count 1 negative signs (odd)

Answer -6