

Notes - Combining Integers with Double Signs

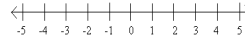
Combining Integers with Double Signs

How to Rewrite Double Signs

$$-1 \oplus (-4) = ?$$

This is a double sign. Adding a negative means moving to the left on a number line (towards NEGATIVE numbers).

A simpler way to think about this is that you are just subtracting 4. So, we can rewrite this expression as:



Rewrite the expressions below...

1. $7 + (-4) =$

2. $-5 + (-2) =$

3. $8 + (-1) =$

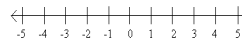
How to Rewrite Double Signs

$$-5 \ominus (-8) =$$

This is a double sign. A double negative means go the opposite direction of -8 on the number line.

This means move to the right (towards POSITIVE numbers).

A simple way to think about this is you are adding the number. So, we would rewrite this expression as:



Rewrite the expressions below:

1. $-4 - (-4) =$

2. $9 - (-2) =$

3. $-5 - (-1) =$

When combining integers, **ALWAYS** rewrite double signs first!!

$$3 - (-8)$$

Positive

Negative

Opposite

Notes - Combining Integers with Double Signs

You Try

1. $-5 - (-7)$ 2. $6 - (-4)$

3. $2 - (-19)$ 4. $-17 - (-11)$

5. $1 - (-4)$ 6. $-9 - (-3)$

When combining integers, **ALWAYS** rewrite double signs first!!

$$-6 + (-9)$$

You Try

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

3. $12 + (-19)$ 4. $-18 + (-11)$

5. $1 + (-4)$ 6. $-9 + (-3)$