Name: _____

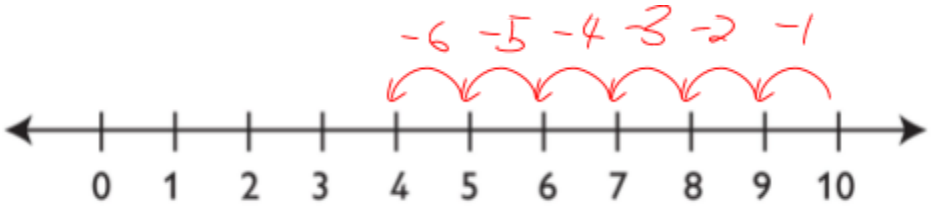
GirlsGotSTEAM One-Day Workshop - Fire vs. Ice: Math Edition

SciNotebook

Practice Questions - Adding and Subtracting

1. Solve the equations below using the number lines provided. Hint: Remember numbers to the left of zero are "colder," meaning they are negative. Numbers to the right of zero are "warmer," meaning they are positive.

EXAMPLE: 10 - 6 = 4



a. 10 + 5 =

b. 6 + 8 =

c. 13 - 9 =

d. (-3) + 10 =

e. (-7) - (-9) =

f. (-10) + 1 =

g. 12 + (-5) =

2. Solve the following equations. This time, try to solve *without* the help of a number line!

a. 15 + 5 =
b. (-7) - (-5) =
c. 13 - (-7) =
d. 9 + 9 =
e. (-8) + (-9) =
f. 15 + 4 =
g. 20 - 10 =
h. 6 - (-7) =
i. 13 + (-9) =
j. (-19) - 12 =
k. (-16) + 3 =
l. 11 + (-11) =

3. Use **<** (less than), **>** (greater than), **=** (equal to) symbols to make the statement true.

    a. 12 _____ 13

    b. (-2) _____ 3

    c. 3 _____ 5

    d. (-11) _____ (-2)

    e. (-9) _____ (-10)

    f. 4 _____ (-2)

    g. (-100) _____ (-67)

    h. (-10) _____ (10)

4. Use < > = symbols to make the statement true.

    a. (-1) - (-5) _____ (-13) + 12

    b. 1 + 4 _____ (-1) - (-4)

    c. 19 - (-1) _____ (-18) + 9

    d. (-5) + 5 _____ 20 - 20

    e. 8 + 7 _____ (-8) + (-7)

Practice Questions - Multiplying and Dividing

HINT: Remember when you are multiplying numbers with the *same* sign, your answer will be the *positive*. This also applies for division.

That means when you are multiplying or dividing with numbers with *different* signs, your answer will be *negative*.

1. Solve the following multiplication questions.
    a. 1 x 5 =
    b. (-5) x 5 =
    c. (-2) x 3 =
    d. 9 x 9 =
    e. (-3) x (-8) =
    f. (-10) x (10) =
    g. 4 x 0 =

2. Solve the following division problems.
    a. 9 / 3 =
    b. (-5) / 5 =
    c. (-10) / (-2) =
    d. 12 / 3 =
    e. (-15) / 2 =
    f. (-14) / (-2) =
    g. (-20) / (-5) =

Practice Questions - FRENZY MODE

1. It's time to get CRAZY!!!!!! The following questions are jumbled up; you can be dividing one question, then suddenly have to subtract another! Prove you are the math whiz once and for all:

a. 3 + 1 =

b. (-10) - (-18) =

c. 18 / (-6) =

d. 12 x (-2) =

e. (-15) + 9 =

f. (-20) + 10 =

g. 16 / (-4) =

h. 12 + (-4) =

i. 13 - (-7) =

j. 20 / 5 =

k. 30 / (-3) =

l. 25 / (-5) =

m. 10 + (-9) =

n. 12 - (-4) =

o. (-9) / (-9) =

p. 0 - 20 =

q. 45 / (-9) =

r. 6 x 8 =

s. (-20) + (-15) =

t. 31 + 20 =

u. 12 + (-7) =

v. 4 + 0 =

w. (-21) / 3 =

x. 30 + (-23) =

y. 100 - (-39) =

z. (-7) + 30 =