

Real Numbers

Negative

- 1) What do you call a number that is less than zero? Why?

- 2) Describe absolute value.

- 3) Write integers for the following:

a) 40 degrees Celsius below zero	a) _____
b) You are 7 points down in a game	b) _____
c) A coral reef is 10 meters below sea level	c) _____
d) You lost \$10	d) _____

- 4) Put less than (<), greater than (>), or equal signs (=) between the following:

a) $ -4 $ ___ 4	b) -3 ___ -2	c) -5 ___ -6
d) 8 ___ -9	e) 8 ___ $ -9 $	f) $ -4 $ ___ $ -5 $

Number Line

- 5) In one sentence describe adding integers with the same signs. (e.g. $4 + 4$, $-4 + -4$)

- 6) In one sentence describe adding integers with different signs. Remember AV.

- 7) How is an English double negative like subtracting a negative number?

- 8) What are the 3 words for remembering sign for multiplication and division?
- 9) What does an even number of negative signs in multiplication give for an answer?
- 10) What does an odd number of negative signs in division give for an answer?

Evaluations

11) Evaluate the following expressions:

a) $5 + (-3) = \underline{\hspace{2cm}}$

b) $-5 + (-2) - 3 = \underline{\hspace{2cm}}$

c) $12 - (-5) = \underline{\hspace{2cm}}$

d) $-6 + (-3) - (-3) = \underline{\hspace{2cm}}$

e) $(-4)(-3) = \underline{\hspace{2cm}}$

f) $(-4)(3)(-3) = \underline{\hspace{2cm}}$

g) $15 \div (-5) = \underline{\hspace{2cm}}$

h) $(-20) \div (-4) = \underline{\hspace{2cm}}$

i) $|-6 + (-3) - 5| = \underline{\hspace{2cm}}$

j) $-|3 - 6 - 7 - (-2)| = \underline{\hspace{2cm}}$

12) Evaluate the following expressions with the given values of n :

$5n + 3 - (-4)$

$n = 5$

$n = -3$

$n = -\frac{1}{2}$

$\frac{3}{4}n - 5$

$n^2 - 3n + 2$

$\frac{3n - 3}{2n}$