

Section 5.1: Representation of Integers

Materials needed:

- 2-sided chips (I'll supply)

Define the following in your own words:

Set of natural numbers

Set of whole numbers

Set of integers

Difference between ‘ -3 ’ and ‘subtracting 3’

Absolute value

For each of the following problems, illustrate using 2-sided chips, illustrate using a number line, and write a contextual word sentence:

$$5 + 3$$

$$9 - 2$$

$$6 + ^{-}8$$

$$^{-}7 + 2$$

$$2 - ^{-}7$$

For each of the following problems, illustrate using a number line:

$$|8|$$

$$|-4|$$

$$-|2|$$

$$|a| = 3$$

$$|b + 2| = 5$$

$$|c - 4| = -1$$

$$|d| + 5 = 0$$

$$|x| + |y| = 2$$