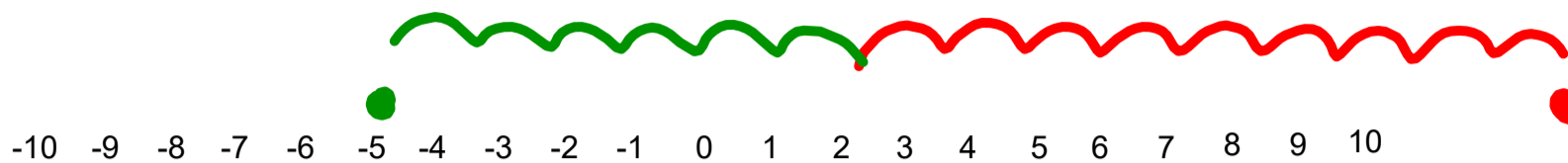


Panorama 3.3

Absolute value

The absolute value of a number is how far the number is from zero



The absolute value of 9 is 9

The absolute value of -6 is 6

The direction doesn't matter
only the distance

Addition of integers

- to add integers with the same sign, keep the sign and add the absolute value of each number.

$$4 + 1 = +5$$

$$-3 + -7 = -10$$

$$(-401) + (-53) = -454$$

Addition of integers

largest absolute value

- to add integers with different signs, keep the sign of the number farthest from zero. ~~Then subtract the smallest absolute value from the largest.~~

$$(-3) + 4 = +1$$

$$7 + (-1) = +6$$

$$(-8) + 2 = -6$$

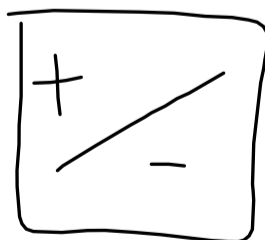
Subtraction of integers

- subtracting an integer is the same as adding its opposite.

$$-2 - (3) = -2 + (-3) = -5$$

$$3 - (-1) = 3 + (+1) = +4$$

$$(-7) - (-4) = (-7) + (+4) = -3$$



$$-7 + -4 = -11$$

Check Your Understanding

Textbook A pg.135

Questions 1, 2, 3, 6, 11, 17, 21