Warm - up:

Justify the given statement using the properties of numbers.

$\frac{1}{5}x-(-2)=7$ $X=25$ $5. \frac{1}{5}x = 5.5$

$\frac{1}{5}x + 2 = 7$ P. opp. Sum $5 \cdot \frac{1}{5}x = 25$ Simplify

$\frac{1}{5}x + 2 - 2 = 7 - 2$ Sub. of Eq. $X = 25$ Axiom of R.

$\frac{1}{5}x = 7 - 2$ Axiom of Opp.

$\frac{1}{5}x = 5$ Simplification

$5 \cdot \frac{1}{5}x = 5 \cdot 5$ Mult. P. Equ.
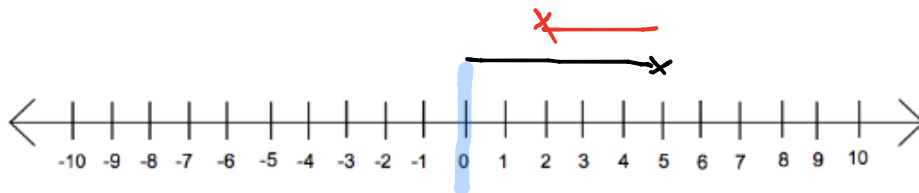
Vocabulary:

-- Integers   All whole numbers + their opposites

-- Absolute value   Distance from zero

$5 + (-3)$

Examples.

a. $-3 + \underline{11} = 5 + 3$

b. $-19 + 4 = 21 + \underline{(-36)}$

c. $|-6| + |-4| = |-3| + \underline{|-7|}$ > $|7|$

d. $\underline{45} + 16 = \underline{23} + \underline{38}$

-1 + (-3)