

Integers

ADDING AND SUBTRACTING WITH NEGATIVES

$$-a - b = (-a) + (-b)$$

$$-a + b = b - a$$

$$a - (-b) = a + b$$

Some examples:

$$-3 - 17 = (-3) + (-17) = -20$$

$$-19 + 4 = 4 - 19 = -15$$

MULTIPLYING AND DIVIDING WITH NEGATIVES

$$-a \cdot b = -ab$$

$$-a \cdot -b = ab$$

$$\frac{-a}{-b} = \frac{a}{b}$$

$$-a \div b = -\frac{a}{b}$$

Some examples:

$$-3 \cdot 5 = -15$$

$$(-7)(-6) = 42$$

$$(-24)/(-8) = 3$$

$$2 \overline{) -36} \text{ or } \frac{-36}{2} = -18$$