

8.3 & 8.4 Dividing Integers

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The answer when you ADD \Rightarrow SUM

" " MULTIPLY \Rightarrow PRODUCT

DIVIDE \Rightarrow QUOTIENT

Ex #1

$$4 \times 3 = 12$$

write as a division

$$\frac{12}{4} = 3 \quad \text{or} \quad \frac{12}{3} = 4$$

$$12 \div 4 = 3 \quad 12 \div 3 = 4$$

Ex #2

$$\text{a) } (-9) - (+3) = -3$$

$$\text{b) } 6 - (-3) = -2$$

$$\text{c) } \frac{-20}{-10} = 2$$

$$\text{d) } \frac{-4}{2} = -2$$

$$\text{e) } \frac{-16}{4} = -4$$

$$\text{f) } 0 - (-2) = 0$$

$$\text{g) } \frac{-4}{0} = 0$$

$$\text{h) } (-18) - (-9) = 2$$

Ex #3

$$\text{a) } \frac{-(-4)}{(-2)}$$

$$\frac{+4}{-2} = -2$$

$$\text{b) } -(-16) \div (-4)$$
$$= +16 \div -4$$
$$= -4$$

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