

## Chapter 2: Properties of Real Numbers

### 2.4 Multiply Real Numbers

This lesson can be found on page 88 in your textbook.

#### Sponge Problems

- What is the value of  $-6 - 1 + 8 - 4 + 2$ ? (M8.A.3.3.1)  
A. -21                      B. -1                      C. 1                      D. 21
- What is the change in temperature from  $-5^\circ$  to  $15^\circ$ ? (M8.A.3.3.1)  
A.  $-20^\circ$                       B.  $-10^\circ$                       C.  $10^\circ$                       D.  $20^\circ$

#### Review Problems

Evaluate the expression for the given value of the variable.

- $1 + 9y^2$  when  $y = 3$
- $2(x - 19)$  when  $x = 24$

Find the sum or difference.

- $-3 + (-6)$
- $7.8 + (-6.4) + (-9.4)$
- $-19.4 - (-6.4)$
- $-\frac{4}{7} - \frac{3}{14}$

#### Section Problems

Find the product.

- $-4(7)$
- $11(-2)$
- $-9(-10)$
- $-8(-11)$
- $5(-7.2)$
- $(-2.5)(-1.3)$
- $-42(-\frac{1}{6})$
- $-\frac{1}{2}(32)$
- $-1.9(3.3)(7)$
- $0.5(-20)(-3)$
- $-\frac{5}{6}(-12)(-4)$
- $-\frac{3}{4}(2)(-6)$
- $-8(-4)(-2.5)$
- $-1.6(-2)(-10)$
- $18\left(-\frac{2}{3}\right)\left(-\frac{1}{5}\right)$
- $-\frac{3}{4}\left(-\frac{1}{3}\right)\left(-\frac{8}{9}\right)$

Evaluate the expression when  $x = -2$  and  $y = 3.6$ .

- $2x + y$
- $-x - 3y$
- $xy - 5.4$
- $|y| - 4x$
- $1.5x - |-y|$
- $x^2 - y^2$