

**Write each power as a product and then evaluate.**

1.)  $2^5$

**Round each number to the given place value.**

2.) 859,971,321; hundred thousands

**Evaluate each of the following according to order of operations. Be sure to show each step.**

3.)  $42 + 6(10^2 \div 5)^2 \div 12 \times 2$

**Write each word phrase as an algebraic expression.**

4.) the quotient of  $x$  and 5

5.) 15 less than  $m$

6.) the product of  $x$  and 4 increased by 3

7.) the sum of  $y$  and the square of  $x$

8.) Calculate  $2.044 + 0.08$

9.) Calculate  $0.5 - 0.19$

10.) What is the product of 1.38 and 2.5?

11.) Six pounds of cashews costs \$43.14. How much does one pound of cashews cost?

12) Find the prime factorization of 84.

13) Find  $\frac{3}{8} + \frac{5}{6}$

14) Find  $5\frac{3}{4} - 2\frac{3}{8}$

15) What is the product of  $\frac{3}{4}$  and  $3\frac{1}{5}$ ?

16) Find  $\frac{3}{10} \div \frac{4}{5}$

17) Find the perimeter and area of a rectangle 4.05 in. wide and 6.2 in. long.

Represent as an **integer**

18)  $18^\circ$  below zero

19) A deposit of \$400

20) 5,000 feet below sea level

**Solve each equation.**

21.)  $x + 4.02 = 68.2$

22.)  $x - 6.9 = 0.386$

23.)  $x + 4\frac{1}{2} = 18\frac{2}{3}$

24.)  $x - 2\frac{5}{6} = 7\frac{2}{9}$

**Convert Fractions to Decimals and Decimals to Fractions**

25.)  $\frac{3}{8}$

26.)  $\frac{5}{6}$

27.) 0.06

28.) 5.189