

# Answer Key

First & Last Name \_\_\_\_\_

Hour \_\_\_\_\_

## Chapter 1 Review

For lessons 1.1 to 1.3

Answers

Find the value of the expression.

1.  $5736 - 2842$

$$\begin{array}{r} 4 \text{ } 6 \text{ } 1 \\ 5736 \\ -2842 \\ \hline 2894 \end{array}$$

2.  $3859 + 783$

$$\begin{array}{r} 3859 \\ + 783 \\ \hline 4642 \end{array}$$

1. 2894

2. 4642

3. 5472

4. 13

5. 27

6. 537,838

7. 125

8. 10,000

9. 64

10. Yes

11. Yes

12. No

13. 1908

14. 258

15. \$10,505

3.  $57 \times 96$

$$\begin{array}{r} 64 \\ 57 \\ \times 96 \\ \hline 342 \\ 513 \\ \hline 5472 \end{array}$$

4.  $1612 \div 124$

$$\begin{array}{r} 0013 \\ 124 \overline{)1612} \\ \underline{-0} \\ 16 \\ \underline{-0} \\ 161 \\ \underline{-124} \\ 372 \\ \underline{-372} \\ 0 \end{array}$$

$$\begin{array}{r} 124 \\ + 3 \\ \hline 372 \end{array}$$

5.  $972 \div 36$

$$\begin{array}{r} 027 \\ 36 \overline{)972} \\ \underline{-0} \\ 97 \\ \underline{-72} \\ 252 \\ \underline{-252} \\ 0 \end{array}$$

$$\begin{array}{r} 36 \\ \times 27 \\ \hline 72 \\ 252 \\ \hline 972 \end{array}$$

6.  $287 \times 1874$

$$\begin{array}{r} 6 \text{ } 5 \text{ } 3 \\ 287 \\ \times 1874 \\ \hline 1148 \\ 23118 \\ 23118 \\ 3748 \\ \hline 537,838 \end{array}$$

Find the value of the power. Show your work.

7.  $5^3$

$$\begin{array}{r} 5 \times 5 \times 5 \\ 25 \times 5 \\ 125 \end{array}$$

8.  $10^4$

$$\begin{array}{r} 10 \cdot 10 \cdot 10 \cdot 10 \\ \underline{100 \cdot 10 \cdot 10} \\ 1000 \cdot 10 \\ 10,000 \end{array}$$

9.  $8^2$

$$\begin{array}{r} 8 \cdot 8 \\ 64 \end{array}$$

Determine whether the number is a perfect square.

10. 36



yes

11. 121



yes

12. 62

no

13. Our school store sells an average of 159 erasers per month. How many erasers does the store sell during one year? (Hint: How many months does one year have?)

$$\begin{array}{r}
 159 \\
 \times 12 \\
 \hline
 318 \\
 1590 \\
 \hline
 1908
 \end{array}$$

14. Mrs. Kelly has a miniature animal collection that she absolutely loves! Mrs. Jozwiak is so jealous and started creating her own collection. If Mrs. Jozwiak has 67 less miniature animals than Mrs. Kelly, and Mrs. Kelly has 325 miniatures, how many does Mrs. Jozwiak have?

$$\begin{array}{r}
 325 \\
 - 67 \\
 \hline
 258
 \end{array}$$

15. A wildlife reserve purchased collars for the animals that they plan to monitor. They plan on buying 2 cheetah collars, 3 lion collars and 2 wild dog collars. What is your total cost?

Item	Cost per item
Cheetah	2 @ \$1265
Lion	3 @ \$1475
Wild Dog	2 @ \$1775

$$\begin{array}{r}
 \text{Total} \\
 2530 \\
 + 4425 \\
 + 3550 \\
 \hline
 10,505
 \end{array}$$

$$\begin{array}{r}
 1265 \\
 \times 2 \\
 \hline
 2530
 \end{array}
 \quad
 \begin{array}{r}
 1475 \\
 \times 3 \\
 \hline
 4425
 \end{array}
 \quad
 \begin{array}{r}
 1775 \\
 \times 2 \\
 \hline
 3550
 \end{array}$$

Evaluate the expression.

8

16.	$4 + 5(20 \div 4)$	17.	$3 \cdot 2^3 - 10 \div 2$
	$4 + 5(5)$		$3 \cdot 8 - 10 \div 2$
	$4 + 25$		$24 - 10 \div 2$
	29		$24 - 5$
			19

18.	$18 - (10 - 4) \div 3 + 5$	19.	$[(9 - 3) + 2] \div 4$
	$18 - 6 \div 3 + 5$		$[6 + 2] \div 4$
	$18 - 2 + 5$		$8 \div 4$
	$16 + 5$		2
	21		

20.	$\frac{4(6-3)}{2}$	21.	$\frac{12(5-2)-20}{2}$
	$\frac{4(3)}{2}$		$\frac{12(3)-20}{2}$
	$\frac{12}{2}$		$\frac{36-20}{2}$
	6		$\frac{16}{2}$
			8

Evaluate the expression.

22.	$2(18 \div 2) - 10$	23.	$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$ $2^5 - 3 \cdot 4 + 5$
	$2(9) - 10$		$32 - 3 \cdot 4 + 5$
	$18 - 10$		$32 - 12 + 5$
	8		$20 + 5$
			25

24.	$12 + (8 \div 4 \times 4) \div 4$	25.	$15 - [5 + 7] \div 4 + 6$
	$12 + (2 \times 4) \div 4$		$15 - 12 \div 4 + 6$
	$12 + 8 \div 4$		$15 - 3 + 6$
	$12 + 2$		$12 + 6$
	14		18

26.	$\frac{4(3^2 - 4)}{5}$	27.	$\frac{14 + 2 \times 5}{6}$
	$\frac{4(9 - 4)}{5}$		$\frac{14 + 10}{6}$
	$\frac{4(5)}{5}$		$\frac{24}{6}$
	$\frac{20}{5}$		4
	4		