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Chapter 1 Math 6 Quiz Practice
Sections 1.1 - 1.3

Find the value of the expression. Check your answer using estimation. Show your work.

1. $7241 - 2536 =$ 4705

$$\begin{array}{r} 6 \text{ } 12311 \\ 7241 \\ - 2536 \\ \hline 4705 \end{array}$$

2. $5849 + 7356 =$ 13,205

$$\begin{array}{r} 5849 \\ + 7356 \\ \hline 13,205 \end{array}$$

3. $452 \times 182 =$ _____

$$\begin{array}{r} 452 \\ \times 182 \\ \hline 904 \\ 36160 \\ + 45200 \\ \hline 82,264 \end{array}$$

4. $17,511 \div 57 =$ _____

$$\begin{array}{r} 307 \frac{12}{57} \\ 57 \overline{) 17,511} \\ \underline{- 171} \\ 411 \\ \underline{- 399} \\ 12 \end{array}$$

$307 \frac{4}{19}$

$$\begin{array}{r} 2 \\ 57 \\ \times 3 \\ \hline 171 \\ \\ 57 \\ \times 7 \\ \hline 399 \end{array}$$

$$\begin{array}{r} 2 \\ 57 \\ \times 3 \\ \hline 171 \end{array}$$

Find the value of the power.

5. $11^2 =$ 121

6. $9^3 =$ 729

9.9.9

$$\begin{array}{r} 81 \\ \times 9 \\ \hline 729 \end{array}$$

Is the number is a perfect square? Write YES or NO.

7. 36 Yes

8. 80 No

Evaluate the expression. Show your work.

9. $20 - 5 + 2(6 + 1) =$ 29

$$\begin{array}{r} 20 - 5 + 2(7) \\ 20 - 5 + 14 \\ 15 + 14 \\ 29 \end{array}$$

10. $24 \div 4 \times 2 + 1 =$ 13

$$\begin{array}{r} 6 \times 2 + 1 \\ 12 + 1 \\ 13 \end{array}$$

11. $3^3 - (4 + 3) + 2 =$ 22

$$\begin{array}{r} 27 - 7 + 2 \\ 20 + 2 \\ 22 \end{array}$$

12. $\frac{5(4-1)}{4^2-10} =$ $\frac{2^3-2^1}{16-10} = \frac{15}{6}$

$$\frac{5(3)}{16-10} = \frac{15}{6}$$

Solve. Show your work.

13. Joe reads an average of 27 pages a day. How many pages will he probably read in a week?

$$\begin{array}{r} 27 \\ \times 7 \\ \hline 189 \end{array}$$

189

14. You are growing a sunflower plant. When you bought the plant it was 4 inches tall. Each month the height of the plant is 4 times the height it was the month before. Write a power to represent how tall the flower will be in 2 months. Then find the actual height.

Power: 2

Height: 16

15. You buy 2 sweaters, 2 T-shirts, and 5 pairs of jeans online. What is your total cost?

Item	Cost per item
Sweater	\$17
T-shirt	\$14
Jeans	\$32

$$\begin{array}{r} 34 \\ + 28 \\ \hline 160 \\ 222 \end{array}$$

$$\begin{array}{r} 32 \\ \times 5 \\ \hline 160 \end{array}$$

\$222