Independent Practice

2.2

Module 2   Whole Number Operations
Lesson 2   Large Numbers: Subtraction

Subtract each of the following with or without manipulatives.

1. 218
    − 56
    162

2. 143
    − 119
    24

3. 437
    − 129
    308

4. 352
    − 195
    157

5. 842
    − 496
    346

6. 710
    − 488
    222

Subtract to solve with or without manipulatives.

7. Darcy made 358 cookies for the school bake sale. On the first day, she sold 180 cookies. How many cookies were left?
    178 cookies

8. Felicia used 1,476 minutes on her cell phone last month. She used 659 minutes this month. How many more minutes did she use last month?
    817 minutes

9. Ling has an order for 1,250 screen printed t-shirts for a chain store. She has printed 487 shirts so far. How many more shirts does she need to print to complete the order?
    763 shirts

10. Warren has a collection of 733 baseball cards and 350 football cards. How many more baseball cards than football cards does he have?
    383 cards

11. The Harrison's had $5,172 in their savings account. They withdrew $1,548 to purchase a new computer and printer. What is the balance of their savings account now?
    $3,624

12. A mountain bike is priced at $2,325. John can trade-in his current mountain bike for $1,450. How much will he pay for the new bike if he makes the trade-in?
    $875

13. At a high school football game, 1,456 tickets were sold for the home team. For the visiting team, 878 tickets were sold. How many more tickets were sold for the home team?
578 tickets

14. The opera sold 1,278 tickets in advance for a Sunday matinee. A total of 1,520 tickets were sold for the matinee. How many tickets were sold the day of the matinee?
242 tickets

15. A sports store moved from a location with 13,550 square feet to a location with 30,000 square feet. How much larger is the new location?
16,450 square feet

16. Ickleville has a population of 17,459. The total population of the county including Ickleville is 45,216. How many people live in the county but not the city of Ickleville?
27,757 people

Journal

1. Why is it important to align columns when subtracting numbers?

2. How is regrouping in subtraction different from regrouping in addition?

3. For a fundraiser, the Humane Society bought 15,000 t-shirts. The first weekend 2,378 t-shirts were sold. The second weekend 7,834 t-shirts were sold. How many t-shirts remained after the second weekend? Show your work and explain how you found your answer.

Cumulative Review

Identify the property illustrated by each of the following.

1. $5 + 0 + 6 = 11$
Identity Property of Addition

2. $(4 + 3) + 5 = 4 + (3 + 5)$
Associative Property of Addition

3. $3 \times 0 = 0$
Multiplicative Property of Zero

4. $2 \times 1 = 1 \times 2$
Commutative Property of Multiplication

5. $5 (8 - 2) = (5 \times 8) - (5 \times 2)$
Distributive Property of Multiplication over Subtraction

6. $4 + 5^2 = 5^2 + 4$
Commutative Property of Addition

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Evaluate each of the following.

7. $15 + 6[8 \div 4]$
      27

8. $(12 + 28) - 3(15 - 7)$
      16

9.   5,362
      +2,578
      7,940

10.   287
      658
      + 421
      1,366

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Possible Journal Answers

1. **If I do not align the columns, I may accidentally subtract digits from different place values. Aligning columns from right to left makes sure that I am subtracting digits from the same place value (ones, tens, hundreds, etc.).**

2. **In addition, I regroup by combining ten of a place value to make one of a greater place value. For subtraction, I regroup by breaking apart a greater place value and regrouping to the lesser place value, so you have enough to remove or take away a quantity.**

3. **There are 4,788 t-shirts left. I had to subtract twice:**

$$
\begin{array}{r}
\overset{\;\;\;\;\overset{9}{\cancel{1}}\;\overset{9}{\cancel{0}}}{1\overset{9}{\cancel{5}},\,\overset{9}{\cancel{0}}\,\overset{10}{\cancel{0}}\,10} \\
-2{,}3\,7\,8 \\
\hline
12{,}6\,2\,2
\end{array}
\qquad
\begin{array}{r}
\overset{11\;15\;11}{\overset{0}{\cancel{1}}\,\overset{\cancel{2}}{\cancel{6}}\,\overset{\cancel{6}}{\cancel{2}}\,12} \\
12{,}6\,2\,2 \\
-7{,}834 \\
\hline
4{,}788
\end{array}
$$