

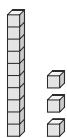


Additional Practice 1-2

Place Value Relationships

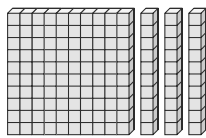
Another Look!

Aria earned 13 scout badges in one year. Her whole troop earned ten times that number of badges. How many badges did Aria's troop earn?



13 badges

$$13 \times 10 = 130$$



130 badges

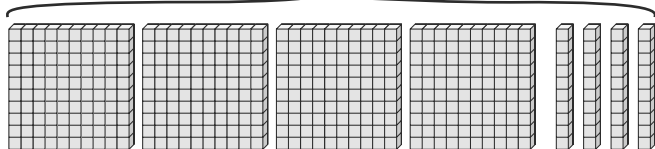
100 is ten times as great as 10, and 30 is ten times as great as 3.



Aria's troop earned 130 badges all together.

- Write the value of the digit in the hundreds place and the value of the digit in the tens place in 440. What is the relationship between the values of those two digits?

440



The ____ in the hundreds place has a value ____ times as great as the ____ in the ____ place.

- Write a number in which the value of the 8 is ten times greater than the value of the 8 in 8,304.

For **3–4**, use the relationship between the values of the digits to solve.

- On the first day of the clothing drive, 11 rain jackets were collected. At the end of the drive, 10 times that number of rain jackets were collected. How many rain jackets were collected?
- After the clothing drive had ended, volunteers placed the 2,000 items collected into 10 piles to go to ten different shelters. How many items were in each pile?

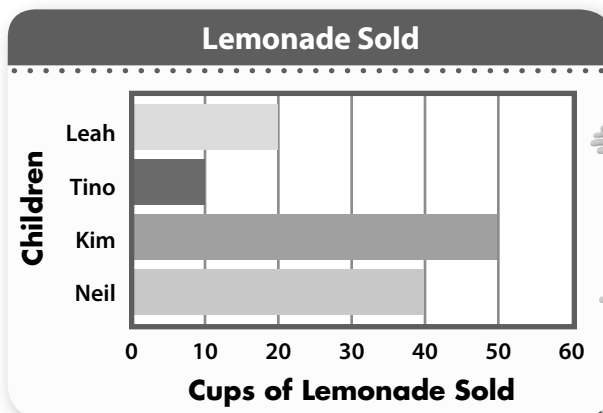


5. What is the relationship between the 6s in 675,002 and 385,621?

6. Name the value of each 2 in 222,222.

For 7–8, use the graph at the right.

7. Who sold the most cups of lemonade? Who sold the fewest?



8. **Algebra** How many cups of lemonade were sold in all? Write and solve an equation.

9. **Reasoning** Is the relationship between the 7s in 7,742 and the 7s in 7,785 different in any way? Explain.

10. **Higher Order Thinking** In your own words, explain the place-value relationship when the same two digits are next to each other in a multi-digit number.

Assessment Practice

11. Which of the following shows the values of the 5s in 15,573?

- (A) 500 and 5
- (B) 500 and 50
- (C) 5,000 and 50
- (D) 5,000 and 500

12. In which number is the value of the 6 ten times as great as the value of the 6 in 162,398?

- (A) 465,871
- (B) 596,287
- (C) 645,010
- (D) 754,699