

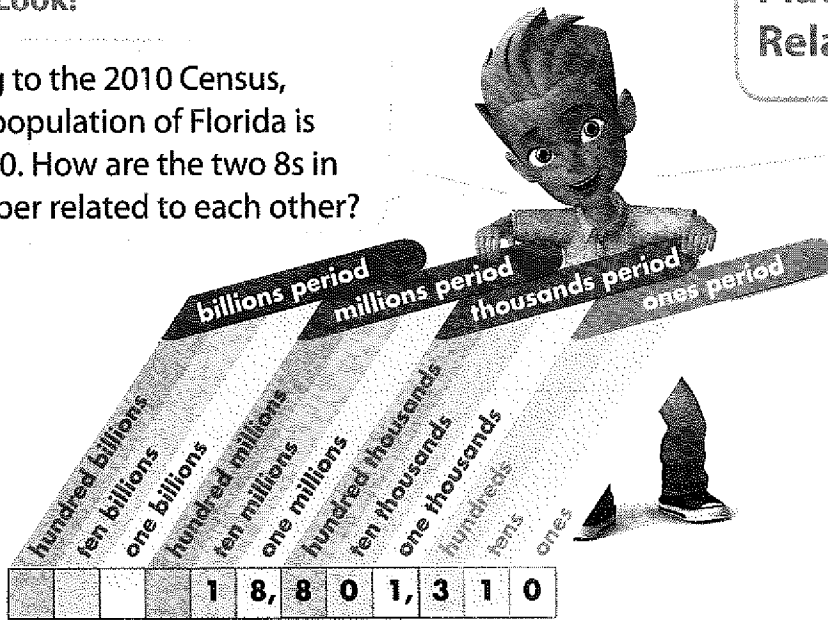


# Homework 1-2

## Place Value Relationships

### Another Look!

According to the 2010 Census, the total population of Florida is 18,801,310. How are the two 8s in that number related to each other?



A place-value chart can help you see the relationship between digits in a number.

Write the number in expanded form.

$$10,000,000 + 8,000,000 + 800,000 + 1,000 + 300 + 10$$

Look at the number of zeros after each 8.

The value of the 8 in the one millions place is 10 times the value of the 8 in the hundred thousands place.

The value of the 8 in the hundred thousands place is one-tenth the value of the 8 in the one millions place.

1. What is the relationship between the 1s in 911,147,835?

The 1 in the ten millions place is \_\_\_\_\_ the value of the middle 1.

The 1 in the hundred thousands place is \_\_\_\_\_ the value of the middle 1.

In 2 and 3, relate the value of the red digit to the value of the blue digit.

2. 709,946,107

3. 115,093,628

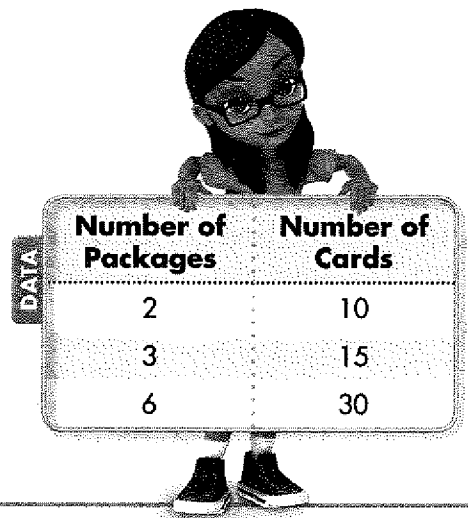
In 4 and 5, name the values of the given digits in the numbers.

4. The 5s in 155,523,962

5. The 8s in 126,888,493

6. Reason The table shows the number of cards in different numbers of packages.

- How many cards will there be in 9 packages?
- How many cards will there be in 1 package?



Number of Packages	Number of Cards
2	10
3	15
6	30

7. In which number is the red digit one-tenth the value of the blue digit?

- 144,127,288
- 144,127,288
- 144,127,288
- 144,127,288

8. What must be true for the value of one digit of a number to be ten times the value of another digit in that number?

- The digits must be identical and in the same period.
- The digits must be identical and in the same number.
- The digits must be identical and next to each other.
- The digits must be identical and in different periods.

9. Extend Your Thinking In the number 514,482,441, how is the relationship between the first pair of 4s the same as the relationship between the second pair of 4s? How is it different?

10. Extend Your Thinking Is the blue digit in 321,568,794 ten times the value of the red digit in 469,751,803? Explain.