

Name _____

Solve & Share

In the number 655,000, what is the relationship between the value of the 5 in the ten thousands place compared to the value of the 5 in the thousands place? *Solve this problem any way you choose.*

You can analyze relationships. Think about how place values relate to each other. *Show your work in the space below!*



Lesson 1-2

Place Value Relationships

TEKS 4.2A Interpret the value of each place-value position as 10 times the position to the right and as one-tenth the value of the place to its left. Also, 4.2. Mathematical Process Standards 4.1C, 4.1D, 4.1E, 4.1F

Digital Resources at PearsonTexas.com



Solve



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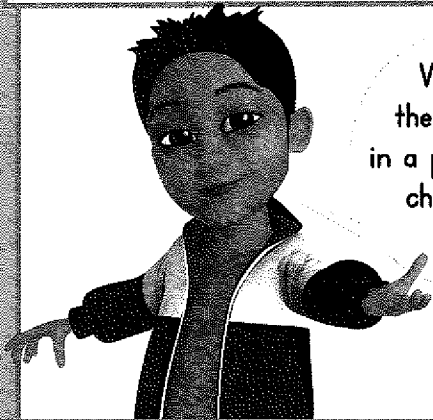
Look Back!

Number Sense What is the relationship between the value of the 5 in the thousands place compared to the value of the 5 in the ten thousands place?

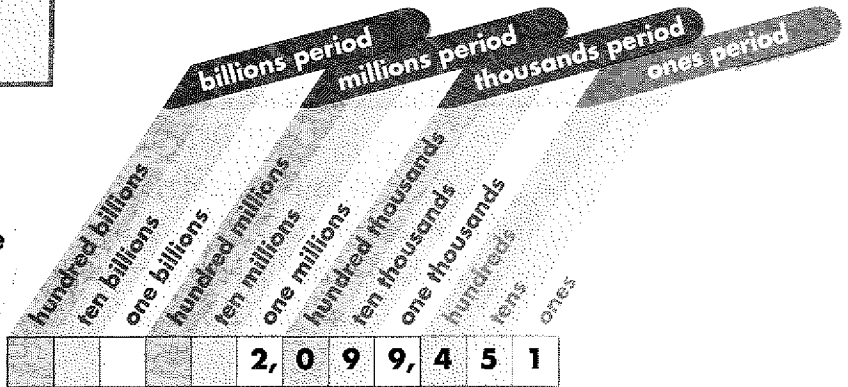
How Are Place-Value Positions Related?

The official 2010 Census reported the population of Houston to be 2,099,451.

How are the two 9s in that number related to each other?



Writing the number in a place-value chart can help.



Compare place values to values on the right and on the left.

B One Way

The value of each place-value position is 10 times the value of the place to its right.

Think about the expanded form of 2,099,451:

$$2,000,000 + 90,000 + 9,000 + 400 + 50 + 1$$

The value of the 9 in the ten thousands place is 10 times the value of the 9 in the thousands place.

C Another Way

The value of each place-value position is one-tenth the value of the place to its left.

Again, think about the expanded form of 2,099,451:

$$2,000,000 + 90,000 + 9,000 + 400 + 50 + 1$$

The value of the 9 in the thousands place is one-tenth the value of the 9 in the ten thousands place.

Do You Understand?

Convince Me! True or False? Explain.

The value of the red 4 is 100 times the value of the blue 4 in the number at the right.

4,440