FAMILY MATH

Place Value and Comparison within 1,000,000

Dear Family,

In previous grades, your student learned about place value for numbers up to 1,000. Using that knowledge, your student explores counting with large sums of money as a context for understanding large numbers. They learn to read, write, and compare numbers up to 1,000,000. They also connect recent learning about *times as much* to realize that a digit represents 10 times the value of the same digit in the place to its right. A strong sense of place value understanding helps your student add, subtract, multiply, and divide with large numbers later this year.
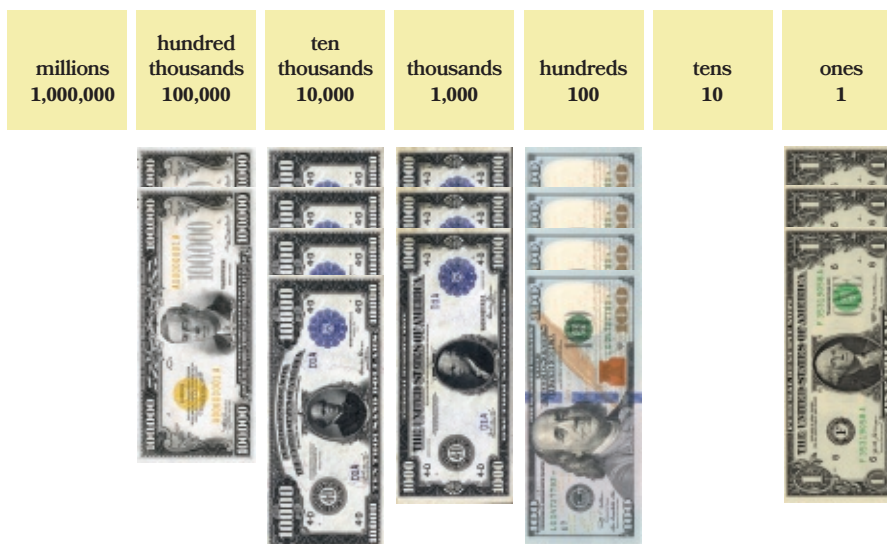
Key Terms

hundred thousand

million

ten thousand

10 times as much

millions 1,000,000	hundred thousands 100,000	ten thousands 10,000	thousands 1,000	hundreds 100	tens 10	ones 1

A place value chart organizes numbers and shows the relationships between place value units.

56,348
50,000 + 6,000 + 300 + 40 + 8
fifty-six thousand, three hundred forty-eight
56 thousands 3 hundreds 4 tens 8 ones

Writing numbers in various forms, such as in standard form, expanded form, word form, and unit form, enables flexible thinking.

thousands	hundreds	tens	ones

$\times 10$
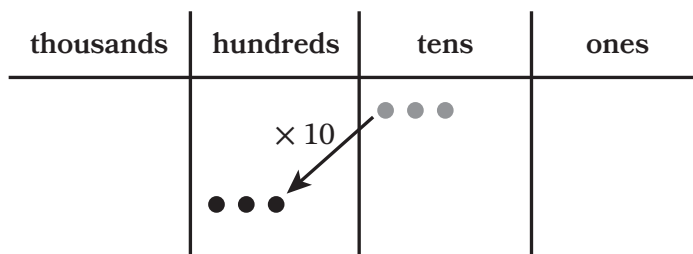
10 *times as much as* 3 *tens is* 3 *hundreds.*
$10 \times 30 = 300$
3 *hundreds is* 10 *times as much as* 3 *tens.*
$300 = 10 \times 30$

At-Home Activities

Comparing Money

Encourage your student to practice multiplying and dividing by 10 by using pennies, dimes, and dollars. Ask your student how many cents are in a penny (1¢), a dime (10¢), and a dollar (100¢). Talk about how many pennies equal the value of a dime and how many dimes equal the value of a dollar. Ask your student to say a multiplication sentence for each relationship such as, "10 times 1 cent is 10 cents, and 10 times 10 cents is 100 cents." Then ask questions about larger amounts.

- "How many cents is 7 dimes worth?" (70 cents)
- "What is 10 times as much as 7 dimes?" (7 dollars or 70 dimes)
- "70 cents is 10 times as much as how many cents?" (7 cents)
- "7 dollars is worth 700 cents. How many cents is 10 times as much as 7 dollars?" (7,000 cents)

Comparing Large Numbers

Write two large numbers, such as 38,720 and 36,954. Ask your student to say which number is greater and which number is less and explain how they know. Encourage your student to draw a place value chart to help them. For an added challenge, ask your student to write a number greater than one of the numbers, write a number less than the other number, and write a number whose value is between both numbers.