



KINDERGARTEN MATHEMATICS—Unit 4

Dear Parents,

Here is what your child is learning in Kindergarten, Unit 4 along with some specific ways you can help.

NUMBER RELATIONSHIPS AND COMPUTATION

Students need to:

- Estimate quantities less than 20.
- Combine and remove concrete objects from a set and describe the results.
- Identify a penny, a nickel, and a dime and their values.
- Determine the value of a set of coins through nineteen cents.

Examples:

1. Student is given a set of 10 objects and a set of 17 objects. Teacher says to student, “There are 10 objects in this set. About how many objects are in this set?” (Teacher points to set of 17.)

Sample response:

Student estimates within a range of 15-20 objects for the set of 17 objects.

2. Student is read a combining or removing story problem. Student models the problem using concrete objects and states the solution.

Sample response:

The teacher says, “There are 7 cookies on a plate. Sam ate 3 cookies. How many cookies are left on the plate?” Student models the problem with connecting cubes by making a set of 7 cubes, removing 3 cubes from the set of 7, and counting the remaining cubes. Student says, “There are 4 cookies left.”

3. Student is given a set of coins, either a nickel and pennies or a dime and pennies. Student is asked to state the value of the coin set.

Sample response:

Student correctly states that the value of the coin set below is 14¢.



WAYS PARENTS CAN HELP



- Create simple combining and removing story problems for your child to solve using objects.

Examples:

“Three candles are on your birthday cake. I place three more candles on the cake. How many candles are on the cake now?”

“You have 9 raisins. You eat 4 of the raisins. How many raisins do you have now?”

- With your child make crayon rubbings of both sides of a penny, a nickel, and a dime. Compare the sizes of the three coins and ask your child to describe both sides of each coin and its value.
- Ask your child to tell the value of coin sets up to 19¢:
 - pennies only
 - a nickel and pennies
 - a dime and pennies

For additional activities, visit www.ed.gov/pubs/parents/Math.