

FOCUS AREAS FOR FIRST GRADE:



- ▶ Understand how counting, adding, and subtracting are related. For example, solve $18-3$ by counting back 3 numbers from 18: 17, 16, 15.
- ▶ Understand that two-digit numbers are made of tens and ones: for example, 27 is made of 2 tens and 7 ones. Use this knowledge to add and subtract.
- ▶ Understand how to measure the length of objects. For example, compare the lengths of two pencils by using paper clips to measure both.
- ▶ Put shapes together and break them apart to create new shapes. For example, use triangles to create a trapezoid.

BY THE END OF FIRST GRADE, STUDENTS CAN:



- ▶ Count to 120. Read and write numerals up to 120.
- ▶ Fluently (quickly and correctly) add and subtract with numbers up to 10.
- ▶ Mentally (without writing or objects) add and subtract with numbers up to 20.
- ▶ Use various methods to solve problems like $23 + 9$ and $23 + 20$.
- ▶ Solve one-step word problems using addition and subtraction.
- ▶ Explain what an equal sign (=) means. For example, tell why writing $5 + 1 = 4 + 3$ is wrong.
- ▶ Explain how addition and subtraction are related.
- ▶ Use analog and digital clocks to tell time to the nearest hour and half-hour. Write the times.
- ▶ Tell how much different United States coins (like nickels and dimes) are worth. Show how different coins can make the same amount (like 2 nickels and 1 dime).
- ▶ Draw and build two-dimensional and three-dimensional shapes, like rectangles, squares, trapezoids, half-circles, quarter-circles, cubes, prisms, cones, and cylinders.
- ▶ Separate shapes into equal parts. Describe the parts using the words *halves*, *fourths*, and *quarters*.

QUESTIONS YOU CAN ASK YOUR CHILD:

- ▶ How many more points do I need to have as many as you?
- ▶ How many nickels would it take to equal 3 dimes?
- ▶ How could we divide this cake into quarters?

TOPICS YOU CAN DISCUSS WITH YOUR CHILD'S TEACHER:

- ▶ Which addition and subtraction strategies work best for your child?
- ▶ Games that can help your child practice math at home

