

## MATHEMATICS PARENT GUIDE

By the end of kindergarten, students understand small numbers, quantities, and simple shapes in their everyday environment. They count, compare, describe and sort objects, and develop a sense of patterns. Students also develop an understanding of measurable attributes of objects.

### THE FOLLOWING ARE SPECIFIC SKILLS STUDENTS NEED TO ACQUIRE BY THE END OF KINDERGARTEN:

#### NUMBER SENSE AND OPERATIONS

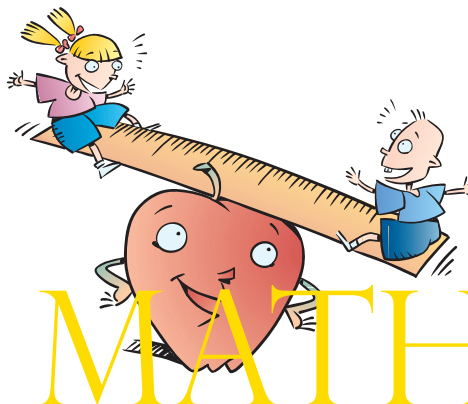
- ▶ Recognize and write numbers in order 0–30.
- ▶ Use objects to model numbers 0–30.
- ▶ Match numerals to objects in a set.
- ▶ Develop strategies for one-to-one correspondence.
- ▶ Estimate quantities in a set based on groups of 10.
- ▶ Use ordinal numbers from first to tenth to identify position.
- ▶ Count to 50.

#### PATTERNS

- ▶ Collect, sort, and classify objects according to a single attribute (e.g., size, color, shape).
- ▶ Reproduce and create simple patterns.

#### GEOMETRY AND MEASUREMENT

- ▶ Identify, name, describe, and draw geometric shapes.
- ▶ Identify clocks and calendars as tools that measure time.
- ▶ Identify a day, week, and month on a calendar, and name the days of the week in order.
- ▶ Identify pennies, nickels, dimes, and quarters as units of money.
- ▶ Use words to describe position and distance (e.g., shorter, longer, above, below, near, far, between).
- ▶ Compare two objects (e.g., longer/shorter, heavier/lighter, larger/smaller, more/less).
- ▶ Place objects in order by length or weight.
- ▶ Collect and organize simple data.



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