## FRACTIONS

### A DEFINITION

#### **Discover:**

- Hugo shares a cake with his brother Louis: 1 cake =
- Hugo cuts the cake into two equal parts:
- Hugo takes 1 of 2 parts:
- His father asks, "Can you represent the part you have with a number?" Hugo thinks carefully. "I know numbers like 0, 1, 2, and so on. But 1 represents a whole cake, and 0 means no cake at all." Then he realizes, "I can use a fraction!" His father smiles and says, "Exactly! We write it as

# $\frac{1}{2}$

where 1 is the number of parts you have, and 2 is the total number of equal parts in the whole cake."

## Definition Fraction

A fraction includes two numbers: the numerator and the denominator, separated by a bar.

