

## Grade Four Math Checklist with Examples

This level focuses on strengthening number sense and fluency with basic math operations, while helping children apply math to the real world. Here's everything your child should work on mastering in this stage:

### Number Sense and Place Value

- Read and write large numbers up to 100,000 or more
- Identify the value of each digit in a number (e.g., in 4,253, the 4 means 4,000)
- Round numbers to the nearest 10, 100, or 1,000
- Compare and order numbers using  $>$ ,  $<$ ,  $=$

#### Examples:

- What is the value of the 6 in 16,892?
- Round 58,431 to the nearest thousand.

### Addition and Subtraction

- Add and subtract multi-digit numbers with carrying and borrowing
- Solve real-life word problems using addition and subtraction

#### Examples:

- $3,421 + 2,158 = ?$
- You had 4,000 marbles. You gave away 1,675. How many are left?

### Multiplication and Division

- Memorize multiplication facts through  $12 \times 12$
- Multiply two-digit numbers by one-digit numbers
- Begin long division with one-digit divisors

#### Examples:

- $36 \div 6 = ?$
- $23 \times 4 = ?$
- If you have 72 candies and divide them among 8 friends, how many do they each get?

### Fractions

- Understand parts of a whole ( $1/2$ ,  $1/4$ ,  $1/3$ , etc.)
- Recognize equivalent fractions (e.g.,  $1/2 = 2/4$ )
- Compare and order simple fractions

**Examples:**

- Which is greater:  $\frac{1}{3}$  or  $\frac{1}{2}$ ?
  - Shade  $\frac{3}{4}$  of a rectangle.
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**Measurement**

- Measure length using inches, feet, yards, and centimeters
- Tell time to the nearest minute
- Understand weight (ounces, pounds), and volume (cups, quarts, liters)
- Use a calendar and count elapsed time

**Examples:**

- How many inches are in 2 feet?
- If the clock says 3:15 now, what time will it be in 25 minutes?

**Geometry**

- Identify and draw basic shapes: circles, triangles, squares, rectangles
- Understand lines (parallel, perpendicular) and angles (right, acute, obtuse)
- Find the perimeter of simple shapes

**Examples:**

- What's the perimeter of a rectangle with sides 5 in and 3 in?
- Draw an obtuse angle.

**Graphs and Data**

- Collect and organize data into a chart or table
- Read bar graphs and picture graphs
- Use tally marks and interpret simple data sets

**Examples:**

- Make a bar graph from a list of pets: 5 dogs, 3 cats, 2 fish
- Read a temperature graph to tell which day was warmest.

**Problem Solving and Reasoning**

- Use logical thinking to approach multi-step problems
- Check answers for reasonableness

- Practice explaining their thinking

**Examples:**

- I'm thinking of a number. I doubled it and added 4. The answer is 18. What's my number?
- Which is the better deal: 2 apples for \$1.00 or 5 apples for \$2.00?

This guide helps ensure your child is solid in real-world math skills before moving on to higher levels. Use it to track progress and add extra practice where needed.