

Grade Five Math Checklist with Examples

Fifth grade focuses on reinforcing the basics while extending into multi-step problems, larger numbers, and practical life skills.

Numbers and Place Value

- Read and write numbers into the millions
- Round numbers to any place value
- Understand the relationship between place values

Examples:

- Write the number “six million, seventy-two thousand, fifty-one.”
- Round 5,983,274 to the nearest hundred thousand.

Addition and Subtraction

- Add and subtract large numbers (up to 6 digits or more)
- Solve word problems involving multiple steps

Examples:

- $5,432 + 8,206 = ?$
- The population of City A is 349,281. City B has 198,573 people. How many more people live in City A?

Multiplication and Division

- Multiply 2- or 3-digit numbers by 2-digit numbers
- Divide by 1- and 2-digit numbers
- Estimate and interpret remainders

Examples:

- $328 \times 45 = ?$
- $1,284 \div 12 = ?$
- A baker made 872 cookies and packed them in boxes of 9. How many full boxes? How many extra cookies?

Fractions and Decimals

- Add and subtract fractions with like denominators
- Begin working with unlike denominators
- Convert between improper fractions and mixed numbers

- Understand decimal place value and compare decimals

Examples:

- $3/8 + 2/8 = ?$
- Change $7/4$ into a mixed number.
- Compare: 0.45 or 0.405?

Measurement and Conversions

- Convert units within the same measurement system
- Work with time, distance, money, and temperature

Examples:

- How many minutes are in 3 hours?
- If it's 68°F outside and drops by 10 degrees, what's the new temperature?

Geometry

- Classify triangles and quadrilaterals
- Understand area, perimeter, and volume
- Use formulas to calculate area and volume

Examples:

- Find the area of a rectangle 8 cm long and 5 cm wide.
- Name this shape: A quadrilateral with 2 pairs of equal sides and no right angles.

Graphs, Data, and Probability

- Create and interpret line plots, bar graphs, and pictographs
- Begin basic probability concepts

Examples:

- A spinner has 4 sections: red, blue, yellow, green. What is the chance of landing on blue?
- Create a line plot to show shoe sizes of your family members.

Problem Solving and Real-Life Math

- Solve multi-step word problems
- Estimate solutions and check for reasonableness
- Use math in budgeting, saving, and planning

Examples:

- You're saving \$15 per week. How much after 8 weeks?
- You buy 3 shirts at \$12.99 each. About how much will you spend?