

Parent Guide to Grade 5 Standards



MILWAUKEE
PUBLIC SCHOOLS

MATHEMATICS

What should my child learn in Grade 5?

Operations and Algebraic Thinking

- Write simple math operations. For example, add 8 and 7, then multiply by 2 as $(8 + 7) \times 2$.
- Compare two sequences and look for relationships between the numbers. For example, going by twos (2, 4, 6, 8) and going by fives (5, 10, 15, 20).

Operations in Base Ten

- Understand that the position of a digit in a number determines the value of that digit.
- Perform operations with whole numbers and with decimals.

Operations with Fractions

- Use alike fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Measurement and Data

- Convert measurement units (for example, convert meters to kilometers).
- Understand concepts of volume and relate volume to multiplication and to addition.

Geometry

- Graph points on the coordinate plane to solve real-world problems.
- Classify flat figures into categories based on their characteristics.

Mathematical Practice

- Make sense of problems and persevere in solving them.
- Construct viable arguments and critique the reasoning of others.
- Use appropriate tools strategically.
- Attend to precision.

How Can I Help My Child Learn at Home?



- Fractions:** Help your child solve real-world problems involving addition and subtraction of fractions.
- Link mathematics with daily life:** Include your child in situations that involve mathematics such as a budget, discounts, reading a map, recipes, etc.
- Be positive:** Help your child have a “can do” attitude toward math by praising your child’s efforts.
- Make mathematics fun:** Play math-related games. Solve puzzles with your child.
- Think about volume:** Understand volume as the measurement of the space inside a solid figure (the volume of a box).
- Have high expectations:** Have a mindset that your child can do complex math.
- Support math homework.**



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The MPS Ambitious Instruction Plan strengthens core instruction and builds a strong foundation across academic areas with a focus on mastery of **reading**, **writing**, and **mathematics** skills.