

Parent Guide to Grade 3 Standards



MILWAUKEE
PUBLIC SCHOOLS

MATHEMATICS

What should my child learn in Grade 3?

Operations

- Represent and solve problems involving multiplication and division.
- Solve problems involving the four operations.
- Multiply and divide within 100.

Operations in Base Ten

- Use place value understanding and properties of operations to perform multi-digit arithmetic.

Operations with Fractions

- Develop understanding of fractions as numbers.

Measurement and Data

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- Represent and interpret data.
- Understand concepts of area and relate area to multiplication and addition.

Geometry

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

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?



1 Represent numbers:

Encourage your child to write or represent numbers in different ways. For example, what are some ways to make 2,450?

2 Be positive:

Help your child have a “can do” attitude toward math by praising their efforts.

3 Make mathematics fun:

Play math-related games. Solve puzzles and brain teasers with your child.

4 Stories:

Tell stories and/or have your child create stories with problems to represent addition and subtraction.

5 Fractions:

Use objects to explore fractions. For example, use measuring cups to know how many $\frac{1}{4}$ cups you need to make $1\frac{1}{2}$ cups.

6 Have high expectations:

Have a mindset that your child can do complex math.

7 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.