Michigan Alternative Content Standards - Mathematics

Grade 9

Students demonstrate increasingly complex understanding of number sense.

Number and Quantity

2.a Use the commutative, associative, and distributive properties to add, subtract, and multiply whole numbers. EE.N-CN.2.A

2.b Solve real-world problems involving addition and subtraction of decimals, using models when needed. EE.N-CN.2.B

2.c Solve real-world problems involving multiplication of decimals and whole numbers, using models when needed. EE.N-CN.2.C

Students demonstrate increasingly complex spatial reasoning and understanding of geometric principles.

Geometry

1 Know the attributes of perpendicular lines, parallel lines, and line segments; angles; and circles. EE.G-CO.1

7 Find perimeters and areas of squares and rectangles to solve real-world problems. EE.G-GPE.7

1-3 Use properties of geometric shapes to describe real-life objects. EE.G-MG.1-3

Students demonstrate increasingly complex understanding of measurement, data and analytic procedures.

Statistics and Probability

1-2 Given data, construct a simple graph (line, pie, bar, or picture) or table, and interpret the data. EE.S-ID.1-2

Students solve increasingly complex mathematical problems, making productive use of algebra and functions.

Algebra

1 Identify an algebraic expression involving one arithmetic operation to represent a real-world problem. EE.A-SSE.1

3 Solve simple algebraic equations with one variable using multiplication and division. EE.A-SSE.3