

Grade 8 Math Essence Statements (2026)

Numerical Representations and Relationships: The student will demonstrate an understanding of how to represent and manipulate numbers and expressions.

Number and operations

- 2 The student applies mathematical process standards to represent and use real numbers in a variety of forms. (Readiness and Supporting Standard) 8.2

Computations and Algebraic Relationships: The student will demonstrate an understanding of how to perform operations and represent algebraic relationships.

Proportionality

- 4 The student applies mathematical process standards to use proportional and nonproportional relationships involving slope. (Readiness and Supporting Standard) 8.4

Expressions, equations, and relationships

- 9 The student applies mathematical process standards to use multiple representations to develop foundational concepts of simultaneous linear equations. (Supporting Standard) 8.9

Geometry and Measurement: The student will demonstrate an understanding of how to represent and apply geometry and measurement concepts.

Proportionality

- 3 The student applies mathematical process standards to use proportional relationships to describe dilations. (Readiness and Supporting Standard) 8.3

Expressions, equations, and relationships

- 7 The student applies mathematical process standards to use geometry to solve problems. (Readiness and Supporting Standard) 8.7

Two-dimensional shapes

- 10 The student applies mathematical process standards to develop transformational geometry concepts. (Readiness and Supporting Standard) 8.10

Data Analysis and Personal Financial Literacy: The student will demonstrate an

Proportionality

understanding of how to represent and analyze data and how to describe and apply personal financial concepts.

- 5 The student applies mathematical process standards to use proportional and nonproportional relationships to develop foundational concepts of functions. (Readiness and Supporting Standard) 8.5
-

Measurement and data

- 11 The student applies mathematical process standards to use statistical procedures to describe data. (Supporting Standard) 8.11