

Mathematics Eighth Grade

Modeling linear relationships

Expressions and Equations

linear equations

solutions

systems

bivariate data

quantitative

categorical

Functions

linear and nonlinear

definitions

representations

model of relationships

linear

slope

representations

real numbers

rational numbers

irrational numbers

exponents

scientific notation

transformations

properties

congruence

similarity

Two and three dimensional shapes

direct and indirect measurement

Pythagorean Theorem

volume

KEY:

Unifying Theme

Organizing Concept

Supporting Concept

Personal Financial Literacy

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.