

Grade: 8 Math
Benchmark #: 8.2.2.K3a
Equations Knowledge

Mastery Check
3

State Language:

Solves: one- and two-step equations in one variable with rational number coefficients and constants intuitively and/or analytically.

Student Friendly Language:

Solves one and two-step equations.

Concept (Students will know):

- TLW know the definitions for variable, equation, and inequality.
- The steps for solving one- and two-step equations.
- The steps for solving inequalities
- The difference between an equations and inequalities.
- Know the rules for integers.

Skills (Students will do):

- Solve one and two-step equations
- Solve inequalities
- Solve integer problems

DOK Level:

2

Big Ideas:

Know how to solve equations and how they relate to the real world?

Essential Questions:

- What are variables and what do they do?
- How do you solve an equation?
- How do you solve an inequality?
- How do you apply an equation to the real world?
- What are the rules for the four operations of integers?

Core Materials

Text- Glencoe Pre-Algebra

Supplemental Materials:

- Teacher generated worksheets
- Worksheets from the resource books related to the Glencoe series.
- "Hands-On Equations" manipulatives
- "Equations" game

Teaching Strategies:

Hands-On Equations
Taking notes on the process
Scaffolding
Guided practice

Mastery Check Items: