

Topic: Unit 5: Linear Inequalities

Days: 13

Subject(s):

Grade(s):

Know:

Understand:

Do:

Key vocabulary Linear inequalities Compound inequalities Graphing inequalities	The need to formulate linear inequalities and investigate methods, interpret and determine the reasonableness of solutions to linear inequalities.	Solve linear inequalities using addition and subtraction operation and graph the solution Solve linear inequalities using multiplication and division operation and graph the solution Solve compound inequalities and graph the solution Graph inequality in two variables
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Which standards are students learning in this unit?

MA.912.A.10.1: Use a variety of problem-solving strategies, such as drawing a diagram, making a chart, guessing- and-checking, solving a simpler problem, writing an equation, working backwards, and creating a table.

MA.912.A.3.4: Solve and graph simple and compound inequalities in one variable and be able to justify each step in a solution.

MA.912.A.3.5: Symbolically represent and solve multi-step and real-world applications that involve linear equations and inequalities.

MA.912.A.3.12: Graph a linear equation or inequality in two variables with and without graphing technology. Write an equation represented by a given graph.