Chapter 02

The worst form of inequality is to try to make unequal things equal— Aristotle

STUDENTS WILL BE ABLE TO...
- Write linear inequalities.
- Sketch the graphs of linear inequalities.
- Write linear inequalities from graphs.
- Solve inequalities using addition.
- Solve inequalities using subtraction.
- Solve inequalities by multiplying or dividing by positive numbers.
- Solve inequalities by multiplying or dividing by negative numbers.
- Use inequalities to solve real-life problems.
- Solve multi-step inequalities.
- Use multi-step inequalities to solve real-life problems.
- Write and graph compound inequalities.
- Solve compound inequalities.
- Use compound inequalities to solve real-life problems.
- Solve absolute value inequalities.
- Use absolute value inequalities to solve real-life problems.

Direct Hit
Sunken Ship

Below are links to games to play at home to review skills covers in the Chapter.

Games to Play At Home

Big Ideas Math®

Game Closet

Below is a link to a parent letter explaining more about this Chapter.

Chapter 02
Summary
CHAPTER 02 - SOLVING LINEAR INEQUALITIES

TSD Competencies

TSD High School Graduation Competency #3
The student creates, interprets, uses, and analyzes patterns of algebraic structures to make sense of problems.

Performance Indicator D
The student understands, represents and solves equations and inequalities in one variable both algebraically and graphically.

Standards

CCSS.MATH.CONTENT.HSA.CED.A.1
Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and simple rational and exponential functions.

CCSS.MATH.CONTENT.HSA.REI.B.3
Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

Tools for Review to Reach the 3:
These are links to resources for studying at home for the chapter test. REQUIRED are in RED.

What did you Learn Writing Assignment 1
What did you Learn Writing Assignment 2
Textbook Quiz A Practice
Textbook Chapter Test Practice
Cumulative Assessment Practice
Required Quiz A and B are on B.Ideas
Chapter 2 Review

Answer Keys
- Quiz Practice A
- Chapter 2 Review 1-15
- Chapter 2 Review 16-30
- Chapter Test Practice
- Cumulative Assessment Practice

Tasks to Achieve the 4:
Students who wish to go for the four need to select and complete three of the following tasks and submit an artifact submission form in class to set up an artifact meeting with Mrs. Barnes.

For a Good Cause
Alternative Assessment
Performance Task
Grading Calculations
Poster—See Mrs. Barnes for Details

Everything Purple, Bold, and Underlined is a link to a resource for students and/or Parents/Guardians.
CHAPTER 02- SOLVING LINEAR INEQUALITIES

Calendar - Teacher’s Pace

If plan “A” didn’t work out. The alphabet has 25 other letters! Stay cool. - The Dream House Project

The following calendar lays out the “Teacher’s Pace” of the class. It is posted in the classroom and students will track their personal progression through the unit. Reality constantly changes the plans so please touch base with your child regularly (ask them to snap a pace photo) to show you where they are on the progression compared to the teacher’s pace.

<table>
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<tr>
<th>Day 1</th>
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| Chapter Opener  
  — STEAM Video  
  — Mathematical Proficiency  
  — Mathematical Practice  
  — Graphing Inequalities  
  — Explorations | Football Game  
  Class Examples of 2.2, 2.3, and 2.4 | Group Rotations  
  — Monitoring Progress  
  — Student Journal Work Day  
  — Solving Multi-Step Inequalities |

Homework: Chapter 2 Notes (posted on Google Classroom and linked on next page)

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| 2.5 Compound Inequalities  
  — Notes as a Class  
  — Group Practice Questions | 2.6 Solving Absolute Value Inequalities  
  — Notes as a Class  
  — Group Practice Questions  
  — Practice Quiz B (optional) | Chapter 02 Test |

Homework:  
- Quiz A (due Tomorrow) required for the 3  
- Artifacts for the 4 (optional)  
- Chapter 3 Notes (posted online)  
- Quiz B (due Tomorrow) required for the 3  
- Artifacts for the 4 (optional)  
- What did you learn writing assignment 2 |

Everything for Chapter 2 is Due Today!

The Chapter Summary is a great resource for parents. Ideas of times to bring up mathematical concepts, ways to apply current concepts to real world experiences, questions to ask your child, and conversations pertaining to the current chapter.

Click Here for this Chapter’s Summary

Knowing the vocabulary words can make learning the math easier. Flash cards at home are a great way to review key vocabulary.

Click Here for this Chapter’s Vocabulary Flash Cards

Everything Purple, Bold, and Underlined is a link to a resource for students and/or Parents/Guardians.
# Chapter 02

The worst form of inequality is to try to make unequal things equal— Aristotle

## Section Notes and Videos

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Monitoring Progress 6 |
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| **2.4 Solving Multi-Step Inequalities**  
**Write your Own—Focus on Inequalities with Special Solutions** |
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