

Math 7

General Resources:

- Teachers may select activities below based on topics that their own students may need to review from prior instruction during the year.
- [Desmos Online Activities](#) – See suggestions. Teachers can create a free account and create a class code for students to engage in online activities.
- [Three-Act Tasks](#) – Although usually used in the classroom with group discussion, students and families may enjoy engaging in these video prompts and trying to come up with solutions. Teachers may post directions, such as “View Act I. What questions come to mind? What other information might you need to answer your question? View Act II – additional information. Work on a solution. Then, view Act III to see the ‘answer’. Reflect: What surprised you? What did this task make you think about that you hadn’t considered before?”
- Other online interaction options: Ask students to be on the lookout for ‘Math Happenings’ around them and send you a picture or video. These could also be used to create your own ‘Three Act Tasks’.

Unit 1: Numerical Reasoning

- [Square Root Concentration](#) – online activity
- [Square Root Memory Game](#) – printable activity
- [Powers of Ten Table Activity](#) – online activity and [Powers of Ten Print Activity](#)
- [Khan Academy – adding fractions with different signs](#)

Unit 2: Algebraic Reasoning I

- [Simplifying Expressions Practice](#) – printable worksheet
- [Dan Meyer Popcorn Picker Three Act Task](#) - task with online video prompts
- [Dan Meyer You Pour, I Choose Three Act Task](#) - task with online video prompts
- [Unit Notes and Practice](#) – printable packet

Unit 3: Algebraic Reasoning II

- [Two-Step Equations Square Puzzle](#) – Printed in correct order. Students cut, shuffle, and solve
- [Equations Sort Activity](#) – This sorting activity can be re-purposed for students at home by instructing students to only look at the initial equation, folding back the step and answer, then try to write the step needed and solve. Unfold to check your work.
- [Algebraic Expressions Millionaire Game](#) – online Game
- [Inequality Study Guide](#) – This guide includes notes and practice problems. Consider posting an answer key later after assigned.

Unit 4: Proportional Reasoning I

- [Scale Drawing of a Home](#) – Students can measure and draw their own home or design their ideal home.
- [Converting Measurements with Proportions](#) - worksheet
- [Benchmark Percents](#) – worksheet
- [Jeopardy Labs- Tax, Tip, Discount](#) – online game
- [Missing Measurements of Similar Figures](#) – worksheet with answer Key

Unit 5: Proportional Reasoning II

- [Rate of Change-Unit Rate Resource](#) – worksheet with answer key
- [Function Matching Activity](#) – Students could send picture of completed matches to teacher
- [Desmos Investigating y-intercept from an Equation](#) – Desmos online activity
- [Matching Graphs, Tables and Practical Situations Activity](#) - Desmos online activity
- [Desmos Equation Marble Slide](#) – Desmos online activity

Unit 6: Geometric Reasoning

- [Vocab matching cards](#) – Can be used to study, then cut up and matched to test knowledge.
- [Missing Angles Worksheet & Parallelogram Missing Measurements](#) – worksheets with answer key
- [Desmos- Translations with Coordinates](#) - Desmos online activity
- [Desmos: Reflection in the Coordinate Plane](#) – Desmos online activity

Unit 7: Statistical Reasoning

- [Ms. Krabappel's Class](#) – Printable performance Task
- [Experimental and Theoretical Video Lesson](#) - online video lesson
- [Desmos Chance Experiments](#) - Desmos online activity
- [Comparing Graphs Matching Activity](#) - Students match different representations of data. Teachers could add a writing prompt to have students explain similarities in differences in what each graph show for one of the matches.
- [Say It Again – Graphs Four Ways](#) - Printable activity where students construct graphs.