



Resources to Support Learning for MS and HS Students in 12 Mathematics Courses—6th Grade to Pre-calculus

If you haven't been in math class recently, here are resources to help you better understand what your student is learning and how to help.

- 1. 6th Grade Mathematics.** At this point in the semester, 6th graders are learning about positive and negative numbers. Resources in [English](#) and in [Spanish](#) will give families a better idea of what their student is studying and some tips for supporting their student. Students can get help on [rational numbers](#) from Khan Academy.
- 2. 6th Grade Accelerated Mathematics.** Proportional relationships are the focus in this course right now— for instance, how a recipe is multiplied or divided based on the need for more or fewer servings. Students are using tables, equations, and graphs to model these relationships. Families can learn more with these [English](#) and [Spanish](#) resources and students can get help with this [video from Khan Academy](#).
- 3. 7th Grade Mathematics.** It's geometry for 7th graders who are learning facts about circles, triangles, and angle pairs. If families need the reminder, here's how to measure a circle ([English](#) and [Spanish](#)), with [supporting resources](#) for students. Another focus is angles, triangles, and prisms. Find family resources in [English](#) and [Spanish](#) and [help from Khan Academy](#) for students.
- 4. 7th Grade Accelerated Mathematics.** Students in this course are learning about systems of linear equations this semester. (Here's an example—"Addison paid \$10 for two granola bars and six apples. George paid \$7 for two granola bars and three apples. Find the cost of each granola bar and each apple.") Here are tips in [English](#) and [Spanish](#) for families helping students in this course. Use these [video resources from Khan Academy](#) to support student learning.
- 5. 8th Grade Algebra.** Students in 8th Grade Algebra also are studying systems of linear equations. Find family resources in [English](#) and [Spanish](#) as well as [Khan Academy resources](#) for students.
- 6. Algebra I.** Algebra I students are learning to use data to interpret information right now. This includes reading graphs and tables such as histograms, scatter plots, and two-way tables. These family resources will give you some tips for supporting your student studying [one-variable statistics](#) and [two-variable statistics](#). These [video resources from Khan Academy](#) will support learning for this course.
- 7. Accelerated Algebra I.** At this point in the semester, Accelerated Algebra I students are learning about congruence and similarity, using facts they know about triangles. Learn about this course and ways to help your student studying [congruence](#) and [similarity](#). These [Khan Academy videos](#) will support your student's learning.
- 8. Geometry.** Geometry students currently are learning about probability, extending what they learned in middle school to think about *conditional* probability and *independent* probability. Learn more about [probability](#) and get some tips for supporting your student. Your student can use these [resources from Khan Academy](#) (Topic A only).
- 9. Accelerated Geometry.** Students in Accelerated Geometry are studying exponential and logarithmic functions right now. Find ways to help your students and learn more about [Accelerated Geometry](#). These Khan Academy resources will support learning related to [exponential functions](#) and [logarithmic functions](#).
- 10. Algebra II.** At this point in the year, students in this course are studying statistical inferences, examining real-world scenarios or looking at data to draw conclusions. Use this [resource](#) to learn more about your student's studies. (You may recognize the bell curve.) This [resource from Khan Academy](#) will support your student's learning.
- 11. Pre-calculus.** Students in Pre-calculus are learning about probability right now. They are learning how probability can help them make informed real-life decisions. Here are [Khan Academy resources](#) for this course.
- 12. Accelerated Pre-calculus.** Accelerated Pre-calculus students also are learning about probability, and how they will use this in making decisions. Find help from Khan Academy with these [resources](#).

We'll be sharing more tips so watch for the next installment of DLD Daily Dozen!

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