Supporting Your Student with Math





Welcome!

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CJ Stewarts



Chat Moderator

Together, we will...

- Discuss the importance of modeling a growth mindset about math skills
- Review how to access information about your student's math strengths and areas for growth
- Practice **math strategies** that you can **use at home** with your student to **grow their math skills and confidence**

Agenda

- **1)** How do our **beliefs** about math **influence** students?
- 2) What are my student's **strengths** and **areas for growth** in math?
- 3) How can I support my student to grow their math skills?



Our Beliefs Matter

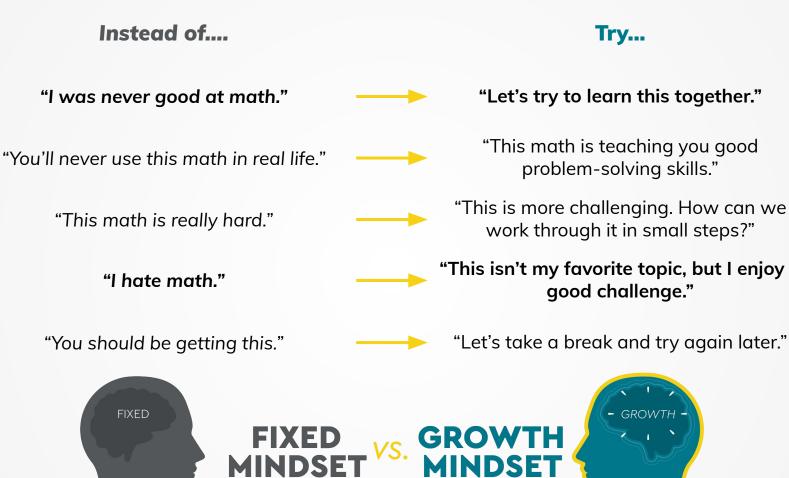




Our Beliefs Matter

Mindsets are the **beliefs** that people hold about their **own intellectual abilities** and the **abilities of others**.





Try...

"Let's try to learn this together."

"This math is teaching you good problem-solving skills."

"This is more challenging. How can we work through it in small steps?"

"This isn't my favorite topic, but I enjoy a good challenge."

- GROWTH



Your Learner





i-Ready

- i-Ready is a program that we use to monitor your student's math and reading levels AND support them to grow their math and reading levels
- Diagnostic assessments occur **3 times a year**
- Diagnostic results show us a **student's overall math level**, their **math strengths**, and their **math areas for growth**

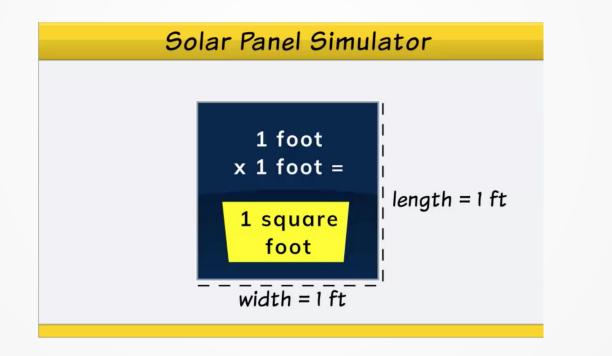


Analyzing the Results

560	On Grade Le	evel (495 - 564)	
	(Domain	Test (08/18/21)
		Overall	Approaching Grade 6
		Number and Operations	At Grade 6
		Algebra and Algebraic Thinking	Approaching Grade 6
		Measurement and Data	At Grade 6
		Geometry	Needs Improvement
440	Test		
	(08/18/21)		
Placement	Approaching Grade 6		

Use i-Ready weekly

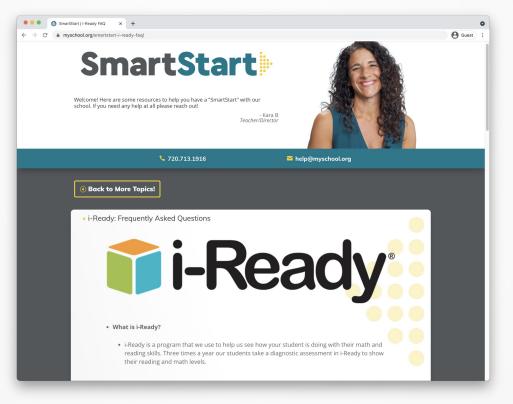
• Complete 3 lessons per week to practice below-grade level skills AND to get ahead!



Resource

SmartStart i-Ready Frequently Asked Questions

mySchool.org/i-Ready



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Strategies





Math Strategies

- 1. Analyzing Word Problems
- 2. Using Visuals
- 3. Use Your Resources

1. Analyzing Word Problems- Overview



- Circle the numbers
- Underline the question
- Box any operation words
- Eliminate extra information and Examine the question
- Solve and check
 - Ask yourself, "Does my answer make sense?"

1. Analyzing Word Problems - Application

Lily loved to collect butterflies and caught 15 butterflies. She can put 3 butterflies and 4 ants in each jar. How many jars does Lily need to separate the 15 butterflies that she caught?

Solve and check: 3+3+3+3=15 **OR** 3x5=15

1. Analyzing Word Problems - Resource



2. Using Visuals - Overview

- Visual representations (or **drawings!**) are a **powerful way** for students to **picture** abstract mathematical ideas.
- Drawing a situation, graphing lists of data, or placing numbers on a number line all help make abstract concepts more concrete and organize information
- Many math problems are presented in words, and creating a visual representation can help **break down the problem** into something the student can **see** and **understand**
- Visual representations can include **pictures, tables, charts**, and **graphs.**

2. Using Visuals - Application

• Example using a picture:

Lily loved to collect butterflies and caught 15 butterflies. She can put 3 butterflies and 4 ants in each jar. <u>How many jars does Lily need to separate the</u>

15 butterflies that she caught?



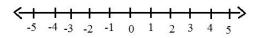
2. Using Visuals - Resource

List of math visual examples?

- Draw a picture
- Make a table or chart
- Number lines
- Use of manipulatives (coins, blocks, marbles)

Student	Study Time (hours)	Grade
Bob	2	84
Carlos	4	91
Cindy	5	92
Florence	3	89
Kim	4	88
Lori	4	93
Marisa	1	78
Pat	2	89
Thomas	5	94
Wendy	2.5	87

Ctudy Time up Crades

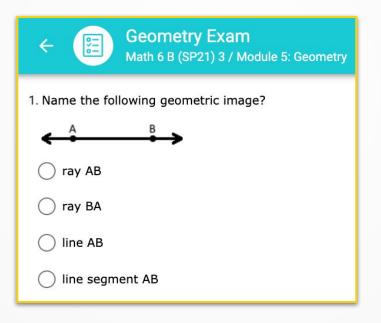




3. Use Your Resources - Overview

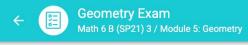
- Using your resources means to utilize all the **materials and tools** provided.
- In the real world, we all use resources to find steps, visuals, and example problems.
- The key is being able to follow the steps and use them properly.
- Examples of using resources:
 - Finding an example problem in one of the lessons & following the same steps
 - Using a study guide or review assignment
 - Watching recordings of live sessions
 - Looking up a definition, formula, or conversion rate
 - Messaging or emailing the teacher a question
 - Signing up for tutoring sessions with the teacher

Your student is taking a geometry exam and is stuck on this question. They aren't sure what the differences are between a ray, line, and line segment.



They could:

- Search in the Geometry module folder for:
 - a relevant lesson with definitions
 - a study guide or review assignment

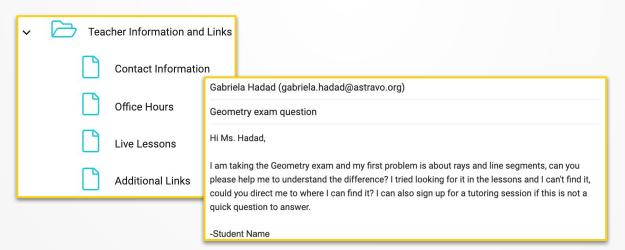


1. Name the following geometric image?
< ^A ^B →
🔵 гау АВ
🔵 ray BA
◯ line AB
O line segment AB

Easic Geometric Terms	
Geometry 1 >	
Module 5: Geometry	A line is a straight row of points that goes on forever in both directions. A line is drawn using arrowheads to show that it never ends. The line is named using the letters of any two points on the line. The example shows Line &B.
Basic Geometric Terms	A piece of a line that has two endpoints is called a line segment. A line segment A line segment with endpoints and segment with endpoints A and B is shown in the example.
Basic Geometric Terms Quiz	A ray is a part of a line that has only one endpoint and goes on forever in one direction. A ray is named by using the endpoint and some other point on the ray. The endpoint is always mentioned first. Ray AB is shown in the example.

They could:

- Search in the Teacher Information and Links folder for:
 - a relevant live lesson recording
 - the teacher's contact info to ask them a question
 - directions to sign up for tutoring



÷	Geometry Exam Math 6 B (SP21) 3 / Module 5: Geometry

1. Name the follo	wing ge	ometric image
< ^A	В	•
🔵 ray AB		
🔵 ray BA		
O line AB		
O line segmer	nt AB	

They could:

ray AB Search online for definitions or helpful pictures ray BA () line AB line segment AB Google ray line segment 0 Q J Q All Images News Videos Shopping : More Tools UCaLNT 507 1NE point definition geometry math angle plane Unes, segments, and ray Point, Line, Line segment & Ray Lines, Angles, & Rays Point A point is an exact posion a plane surface. A line is that has A line is a set of points i Segment CD RAY EF a straight path that eater Line AB Line in opposite directions rithout ending. A line s portion A line segment is a part AB U AC has two a line between two end A ray is a A ray is a part of a line that has one end point as has one i Rat extends in one directio without ending. forever in ٠ Lines, Rays, Line Segments, Points ... Lines, Rays and Line segments ... Lines, segments and rays work... Lines, Line youtube.com mathworksheets4kids.com k5learning.com onlinemathle

Geometry Exam

1. Name the following geometric image?

Math 6 B (SP21) 3 / Module 5: Geometry

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8<u>-</u>

3. Use Your Resources - Resource



Partnering Effectively With Teachers

Going Forward





We're here for you!

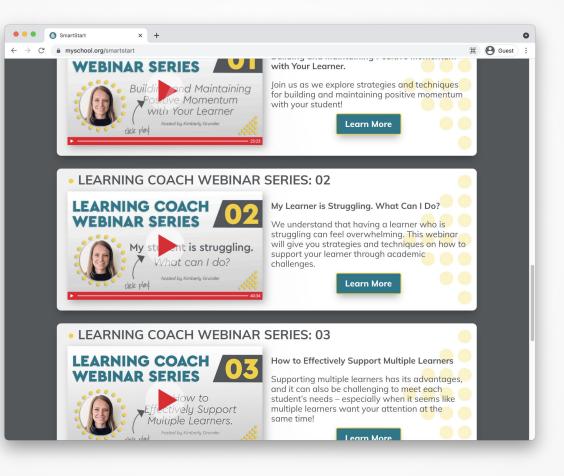
Email:

help@myschool.org

Call:

Arizona	Colorado
602-641-8220	720-713-1916

mySchool.org/SmartStart



Coming Up...

Date	Торіс
December 1, 2021	Mental Health Resources
January 26, 2022	Executive Functioning Skills 101
February 9, 2022	Helping your Student Plan and Follow Through
March 9, 2022	Managing Conflict with Your Student
April 13, 2022	How Can I Support My Perfectionist Student?

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Thank You!



