

Math Intervention Programs

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Side-by-Side
Comparison

Agenda & Goal

Agenda

- Review the process
- Review Critical Criteria
- Compare Intervention Programs
- Select programs to Demo

Goal

Choose a math intervention program(s) that you would like us to schedule a live demo for within the next 3 weeks.

Exploring Math Intervention Programs

So far, we have:

- Surveyed principals
- Developed a critical criteria list to evaluate intervention programs
- Explored over a dozen intervention programs
- Based on critical criteria, narrowed it down to 3 programs



Next Steps:

- Review/Compare intervention programs to determine which one(s) to demo.
- Set up live demos
- Based on live demos, which one will you pilot?
- Skyrocket and Regional staff plan pilot implementation

Critical Criteria

- Evidence Based Intervention
- Ease of Implementation
 - Automated Student Sign Up
 - Automated Learning Path
 - External Test Required
 - Syncs to STAR
- Teacher Usability
- Student Usability
- Student Instruction
 - Frontloaded Instruction
 - Targeted Instruction
 - Intervention
- Asynchronous and Independent
- Credit Bearing

Programs that *did not* meet the critical criteria

Program Name	Notes
<u>mCLASS by Amplify</u>	An integrated, gold-standard literacy system that offers teacher-administered assessment and holistic instruction for grades K–6. Sounds like it is an intervention program, however, I'm not sure what subjects and it seems it only goes up to 6th grade.
<u>Math Inventory by HMH</u>	Not an intervention program, it simply assesses the student and gives teachers the accurate and actionable data they need to measure, plan, and implement customized teaching strategies.
<u>Aleks</u>	Provides students with practice problems. Does not incorporate video instruction and has one example problem per lesson. Ease of use is not great for student.
<u>iReady</u>	Does not include high school content, geared towards younger grades
<u>Math 180</u>	Group work is part of the instructional model.
<u>Dream Box</u>	Does not include high school content, geared towards younger grades engaging lessons, well done
<u>Catapult Learning - AchieveMath</u>	Classroom based interventions and curricula
myLAB- Pearson	Class companion for their textbooks
Imagine Math	3-8th grade only
<u>Spring Math</u>	K-8th only, it's more of a curriculum than remediation platform
<u>Delta Math</u>	Supplemental assignments for high school students. Not made for independent and asynchronous remediation
Achieve 3000	Learning path is not automated, teacher needs to build the content (scope and sequence)

The Side-By-Side

Exact Path | Freckle | Ascend

Process

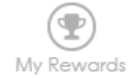
1. Review and compare the 3 intervention programs
2. Use the provided Google Docs form to take notes
3. Use the Google Form link to select the program(s) you'd like to demo & provide feedback.



「Critical Criteria」

	Exact Path	Freckle	Ascend
Evidence Based Intervention	Tier 1	Tier 2	Tier 2
Ease of Implementation	Great	Good	Fair
Automized Student Sign Up	✓		
Automized Learning Path	✓	✓	✓
External Test Required	✓	✓	✓
Syncs to STAR	✓	✓	Manual
Teacher Usability	Great	Good	Fair
Student Usability	Great	Great	Good
Student Instruction	Good	Fair	Great
Frontloaded Instruction	✓		✓
Targeted Instruction			✓
Intervention	✓ <i>Concept Based</i>		✓ <i>Problem Based</i>
Asynchronous & Independent	✓	✓	✓
Credit Bearing	✓	✓	✓

Exact Path



Active Assignments



Repeated Addition in Two-Step Multiplication

To begin, select an activity from All Activities

Select New Activity



All Activities

Completion: 0/0 (0%)

Overdue 02/12/21

Math Learning Path

To continue, select an activity from All Activities

Select New Activity



All Activities

In Progress

No Due Date

Assigned
by
Teacher



Automized
Learning Path



Alerts



New Challenge 01/22/2021

You have been assigned a new challenge:

Challenge Name:
Super Awesome Challenge

See details on the [rewards page](#).

Dismiss

[← Back to Home](#)

[View Progress Report](#)

Repeated Addition in Two-Step Multiplication

ACTIVITIES COMPLETE

0/0 (0%)

DUE DATE


 Overdue 1/23/2021

[+ View Instructions](#)

All Work

 In Progress

 Completed or Mastered

 Completed Not Mastered

 Not Started

Discussions

Notes

Repeated Addition in Two-Step Multiplication



Intervention
assigned by
teacher - Khan
Academy Video

[← Back to Home](#)

All Work

In Progress

Completed or Mastered

Completed Not Mastered

Not Started

− Solving Addition and Subtraction Story Problems ⓘ

Solving Addition and Subtraction Story Problems:
Tutorial



In Progress

Solving Addition and Subtraction Story Problems:
Practice



Solving Addition and Subtraction Story Problems:
Mastery Test



Complete  80% 


+ Fraction Notation: Numerator and Denominator ⓘ


+ Understanding Fractions: Equal Parts of a Collection ⓘ

+ Simplifying Fractions ⓘ

+ Introduction to Triangles ⓘ

Mathematics Progress Check



Locked 

Kiertzner, Alden

Demo

OR

Search all students

All Mathematics Domains

Hide Skill Names

K-12 Learning Progression Report

SKILL STATUS LEGEND

-  Assessed Above
-  Failed Once
-  Placed Above
-  Mastered
-  Failed Twice
-  Practicing
-  Struggling
-  Retaking
-  Not Taken
-  Skill Omitted

STUDENT

Print Summary

Baick, Alex



Hazel, Mock



Kiertzner, Mock Alden



aggie, Mock | Division with Fractions | Fractions & Ratios

CLOSE

Learning Path

Resources

Standard Coverage

Videos

Solving Real World Problems - Dividing a Fraction by a Whole Number



Video

Solving Real World Problems - Dividing a Whole Number by a Fraction



Video

Let's Practice... Dividing with Fractions



Video

Let's Taco 'Bout... Dividing with Fractions



Video

Let's Practice Dividing a Unit Fraction by a Whole Number



Video

Let's Practice Dividing a Whole Number by a Unit Fraction



Video

Let's Taco 'Bout... Dividing a Unit Fraction by a Whole Number



Video

Freckle

Math Practice



Adaptive Math



Fact Practice
2 sessions available



Focus Skills



Focus Skills Practice

- Available for **Premium Star-Freckle customers**
- Uses Star data and Freckle practice data to give students *just right* sessions


★ New



Focus Skills

Focus Skills Skills Mastered: 5

Let's practice!



Four-Digit Multiplication

Earn 5 coins for each correct answer

You can earn 5 coins

91 x 17

Question Types:
Multiple Choice,
Multiple Answer, Type-
in, Drag & Drop

Type your answer here. Submit Answer



You mastered this skill!



Four-Digit Multiplication



Focus Skills Practice adapts as Freckle gets more da



Focus Skills Skills Mastered: All 26

Pick a skill to review

Four-Digit Division Earn coins

Multi-Step Word Problems Earn coins

- More foundational questions when students struggle
- Review Mode once students master all grade level focus skills

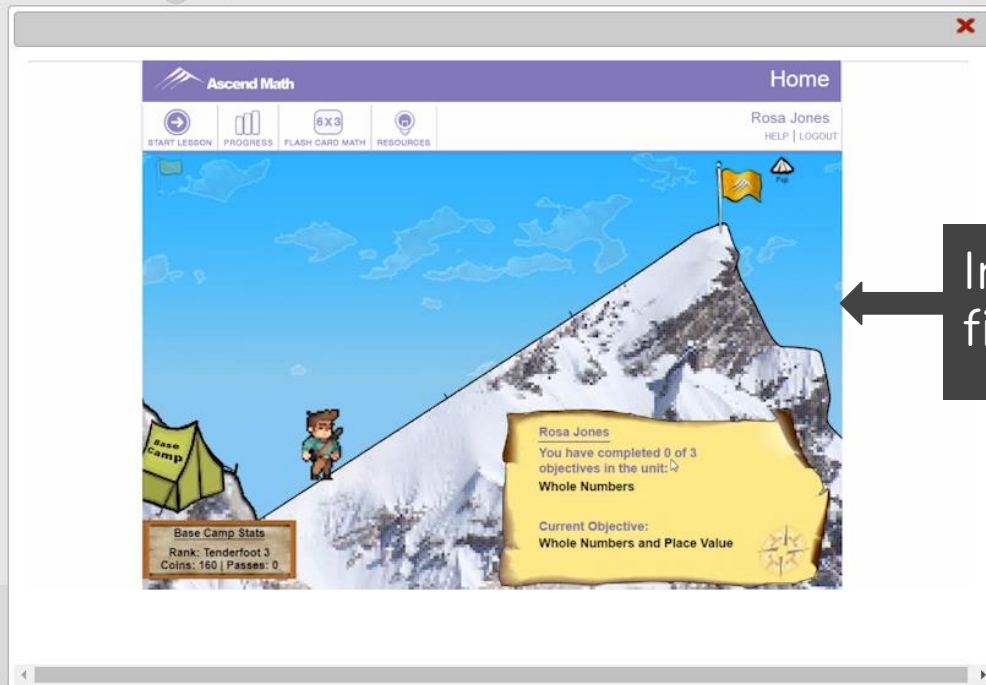
Ascend Math



Enter

1. A 48-foot rope is cut into three lengths. The second length of rope is twice the first length. The third length of rope is one-fifth the first length. What is the third length?

- 8
- 15



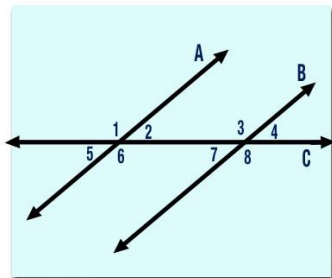
Intro video at first login.

Student One

HELP | LOGOUT

Enter

7. If lines A and B are parallel and angle 6 has a measure of 127° , what is the measure of angle 8?

 degrees

7861

Student One

HELP | LOGOUT

Enter

18. Solve the Application.

Simon completed two sets of math homework, one with 40 problems and the other with 80 problems. If he got a total of 18 problems wrong, how many did he get correct?

- 112
- 102
- 98
- 138

Audio in English





START LESSON



PROGRESS



FLASH CARD MATH



RESOURCES

Student One

HELP | LOGOUT



Base Camp

Base Camp Stats
Rank: Rock Star 5
Coins: 0 | Passes: 0

Student One
You have completed 0 of 1 objectives in the unit:
Whole Number Multiplication and Division
Current Objective:
Order of Operations: Parentheses, Brackets, and Braces




1. Study Guide
2. Video
3. Explore
4. Practice
5. Post Assessment

Student One

[HOME](#) | [HELP](#) | [LOGOUT](#)

Use the Study Guide to take notes as you follow along with the video lesson.

After you watch the video, complete the practice problems at the end of the Study Guide.

[Open Study Guide](#)[Español](#)

- 1. Study Guide
- 2. Video
- 3. Explore
- 4. Practice
- 5. Post Assessment

Student One
HOME | HELP | LOGOUT



Solve.

$$\begin{aligned} & 27 - (4 + 2 \times 3) \\ & = 27 - (4 + 6) \\ & = 27 - 10 \\ & - \end{aligned}$$

5:07/9:36

- 1. Study Guide
- 2. Video
- 3. Explore
- 4. Practice
- 5. Post Assessment

Student One
HOME | HELP | LOGOUT

The Explore activity should appear below.

Put the steps in the correct order.

Multiply and divide
from left to right

1.

Add and subtract
from left to right

2.

Evaluate within
grouping symbols

3.

Check Answer

Reset

Press on an object to drag it.

- 
1. Study Guide
- 
2. Video
- 
3. Explore
- 
4. Practice
- 
5. Post Assessment

 Student One
[HOME](#) | [HELP](#) | [LOGOUT](#)
Incorrect

5. Solve the equation using the order of operations.
 $4 + 3 \times 2 + (20 - 10)$

Check Answer

Show Answer

Next Question

Solution Video

- 20
- 37
- 42
- 60

- 
1. Study Guide
- 
2. Video
- 
3. Explore
- 
4. Practice
- 
5. Post Assessment

 Student One
[HOME](#) | [HELP](#) | [LOGOUT](#)
Correct

Check Answer

Show Answer

Next Question

Solution Video

8. Laura has 10 bananas. She ate 1 then split the rest equally between her 3 friends. Which equation shows how many bananas each of Laura's friends got?

- $10 - 1 \div 3$
- $10 - (1 \div 3)$
- $(10 - 1) \div 3$
- $10 - (3 \div 1)$

English Audio



Ascend Math Order of Operations: Parentheses, Brackets, and Braces

1. Study Guide 2. Video 4. Practice 5. Post Assessment

Check Assessment Show Assessment

You have completed the practice problems. To complete the Post-Assessment, please complete the following:

- Video

OK

Number of Questions: 10
Q-ID#:3404

Students must view 90% of the video to unlock the Post Assessment. Also, no checkmark

Ascend Math Progress Student One HOME | HELP | LOGOUT

START LESSON PROGRESS FLASH CARD MATH RESOURCES

Your current objective is: Order of Operations: Parentheses, Brackets, and Braces
You have completed 0 of 1 objectives in the current unit.

Your current unit is: Whole Number Multiplication and Division
You have completed 0 of 18 units in the current level.

Last Login: **Coins Available:** 0 **Experience Points Earned:** 0
Time Worked: Yesterday: 00:00:00 **This Week:** 00:17:50 **Last Week:** 00:00:00

Study Plan: (Click on the arrow to view details)

Sort By: Unit Objective

Unit Title	Objective Title	Code	Time on Task	Date Completed	Status	Post Assessment Score
Whole Number Multiplication and Division	Order of Operations: Parentheses, Brackets, and Braces	1061	00:06:40		In Progress	

**Click purple link to review the objective

Average Post Assessment Score: 0%

Status

- Mastered in the Pre Assessment
- Mastered in the Course
- Skipped
- Objectives Assigned or In Progress

Q&A



Thank you!

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The End

