

## **GO Math!** Middle School Grades 6–8 © 2018 **Program Overview**



## **GO Math!** Middle School Grades 6–8 © 2018 **Program Preview**

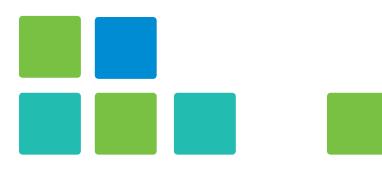
## **Next Generation Solution**

### FOCUSED – COHERENT – RIGOROUS

- **GO Math!**<sup>®</sup> focuses strongly on your standards.
- **GO Math!** carefully connects learning within and across grades.
- GO Math! gives equal intensity to conceptual understanding, fluency, and application.

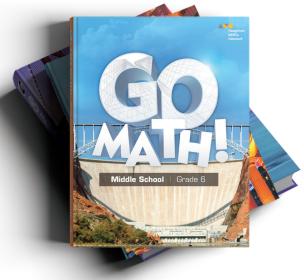
### EMPHASIS ON 21<sup>ST</sup>-CENTURY SKILLS

- This digital-first solution—built around the *HMH Player*<sup>®</sup>—transcends the traditional approach of eBooks and online resources with an enhanced tablet-friendly experience for students, teachers, and parents.
- Digital course management tools offer teachers flexibility in planning, instruction, and assessment for in-class or on-the-go learning.
- Personalized and adaptive instruction is taken to the next level with the **Personal** Math Trainer<sup>®</sup> Powered by Knewton<sup>™</sup>.



## **A Truly Blended Approach to Instruction**





### **DIGITAL COMPONENTS**

### **Digital Student Experience**

- HMH Player app
- Interactive Student Edition
- Student Dashboard

### **Digital Teacher Experience**

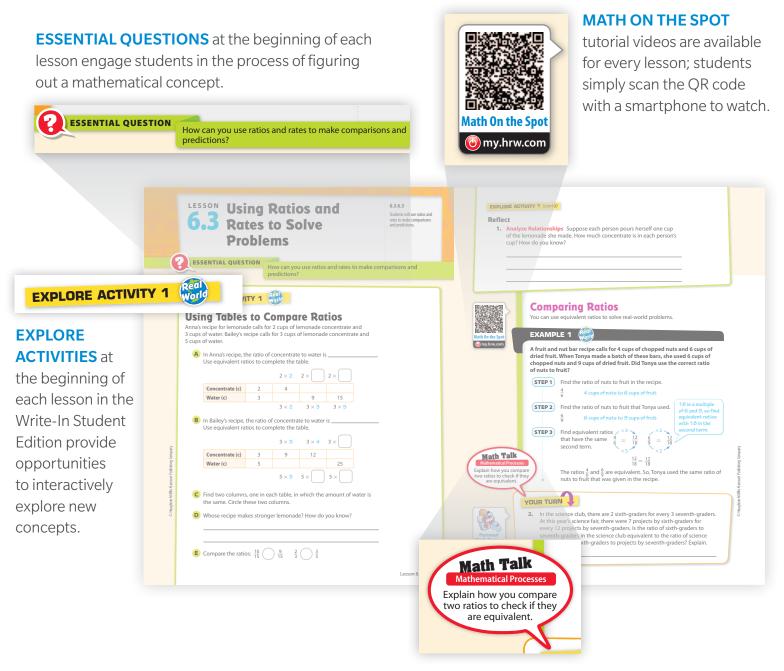
- HMH Player app
- Interactive Teacher Edition
- Teacher Dashboard

# KNEWTON

### PRINT COMPONENTS

- Write-In Student Edition
- Teacher Edition
- Solutions Key
- Differentiated Instruction
- Planning and Pacing Guide

## **Comprehensive Strategies and Resources for the Student**



#### **REFLECT** questions and **MATH TALK** are just

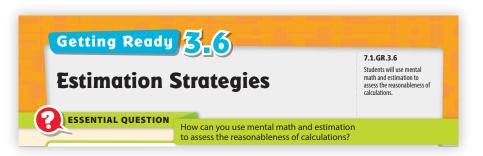
two features out of many that provide continual opportunities for the student to reinforce the mathematical processes on a daily basis.

H.C		I HIGHER ORDER THINK	KING	
14.	Justify Reasoning	An online retailer sells	two packages of protein	bars.
	Package	10-pack of 2.1 ounce bars	12-pack of 1.4 ounce bars	
	Cost (\$)	15.37	15.35	

a. Which package has the better price per bar?

**HIGHER-ORDER THINKING** problems highlight mathematical practices and require students to explain, justify, and critique reasoning in a problem-solving setting.





**GETTING READY** (bridge to follow-on lessons) and **GOING FURTHER** (extension and application) lessons provide more Standards coverage aligned to the K–8 progression to Algebra.



**GAMES** in each unit integrate hands-on collaborative activities that motivate students to explore "the math" and connect abstract concepts to real-world problems.

## An Engaging & Interactive Approach to Learning

**GO Math!** delivers the next-generation Online Student Edition that works on all Internet-enabled devices, offers digital answer submission functionality, and contains point-of-use links to *Math on the Spot* tutorials, *Animated Math Tutorials, Real-World Videos,* and **Personal Math Trainer**.



MATH ON THE SPOT video tutorials, featuring program authors Dr. Edward Burger and Martha Sandoval-Martinez, accompany every example in the textbook and give students step-by-step instructions and explanations of key math concepts. Access for teachers, students, and parents helps improve their understanding of concepts.



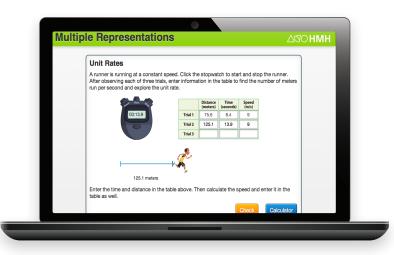
Scan with your smartphone to jump directly to the online edition, video tutor, and more.





#### **ANIMATED MATH TUTORIALS**

are short interactivities or simulations that drive home the key concept within each lesson and keep students engaged as they develop fluency.



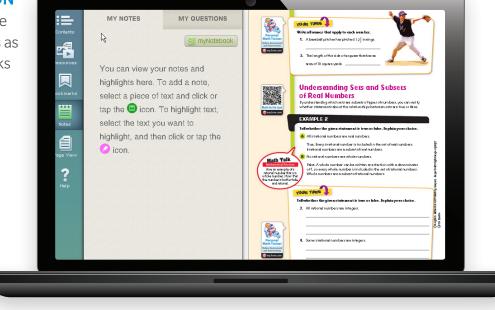


**REAL-WORLD VIDEOS** engage students with interesting and relevant applications of the mathematical content of each module.



#### **ONLINE STUDENT EDITION**

allows students to write, take notes, and bookmark pages as well as access important links that reinforce concepts.



## Personalized and Adaptive Learning with Personal Math Trainer Powered by Knewton



**PERSONAL MATH TRAINER POWERED BY KNEWTON** is the ultimate online, adaptive assessment and personalized learning system for students, with an automatic reporting and intervention system for the teacher.



#### **PERSONAL MATH TRAINER allows students to:**

- Access learning aids, including guided examples, step-by-step solutions, and video tutorials, to help develop understanding of concepts.
- Receive real-time feedback for every homework and practice problem answered.

Norman Personal Math Reserved	Class: Mr. Ko	erry's			Welcome Wi	hitney Yaple	G+ Q			
Estimated Proficiency										
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#### PERSONAL MATH TRAINER allows teachers to:

- Analyze each student's interactions with the program content down to the concept level to determine personal strengths, weaknesses, preferences, and pace.
- Provide personalized learning paths for every student to help achieve learning goals.
- Provide each student with targeted recommendations for other assignments.
- Gain real-time insights into each student's needs, challenges, and learning styles, so they can quickly and easily change the course of their instruction with targeted support such as Active, Standard Based, and Course Intervention Workflow.
- View information by individual student, whole class, standard, and test items—all with predictive analytics.

## GO Mobile! with Global Delivery— Anytime, Anywhere Access



### DIGITAL STUDENT EXPERIENCE

#### HMH PLAYER: AN ALL-IN-ONE CLASSROOM APPLICATION

This game-changing app for teachers and students:

- Provides direct access to program materials and lesson resources
- Includes digital engagement features, such as classroom collaboration
- Synchronizes with the Interactive Student Edition and Student Dashboard, so students can work **online or offline** without missing a beat

#### **CLASSROOM COLLABORATION**

Within *HMH Player*, students can collaborate in the classroom by messaging the teacher.

- Students see the content the teacher is moving through on their own device to easily follow along in the lesson.
- Students can "raise a hand" within the app to ask or answer questions.
- Teachers can provide activities that foster synergy among students and classes and send notifications and immediate feedback to the whole class or to individual students.



#### ASSIGNMENTS

HMH Player offers a teacher-friendly assignment feature that enables teachers to select HMH lessons and **Personal Math Trainer** activities and assign the content to one or more students within a class.

- Start date, due date, assignment title, and notes are all that are required to create a lesson.
- Assignments include homework, in-class work, or any other application to track student progress against a specific lesson, assignment, or standard.

Reports		<	1.1	1 Identi	ifying li	nteger	s and T	heir Oj	oposite	is - Ho	mewor	© rk	
Student Name * .	Average 🔻 🗚	1	2	3	4	5	6	7	8	9	10	-11	
West, Carson	57%	×	~	×	×	~	~	~	~	×	×	~	
Sanders, Jenna	86%	~	~	~	~	~	~	~	~	×	~	~	
Harris, Madison	61%	~	×	×	×	×	~	~	~	~	×	~	
Fields, Kaden	93%	~	~	~	~	~	~	~	×	~	~	~	
							erry's C s Stand					0%	Key 90%-100 80%-80%
	Student Name	¥.	Aver	age 🖬							8	0%	70%-799 60%-699
	Fields, Kaden												0%-59%
	Fields, Kaden Harris, Madison			68%		-							
	Harris, Madison Sanders, Jenna			85%		6.N	5 Math Str	ndand Set		0%	h Standard 1		82%
	Harris, Madison					_	_	ndard Set			h Standard !		
	Harris, Madison Sanders, Jenna			85%		6.N: 78	L <b>S</b> Math Str				h Standard !		

#### **TWO REPORTING VIEWS**

The teacher has two reporting views in *HMH Player*: Assignments and Progress.

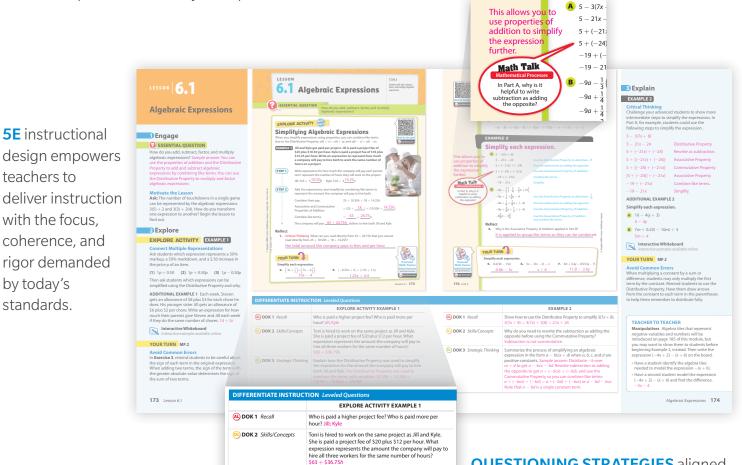
- The Assignment view provides the teacher with a streamlined "gradebook" style view showing assignments in each column and students in each row.
- The Export option allows teachers to choose "Selected Student" or "All Students" to view the entire class of individual assignment results with item analysis.

# **GO Math!** Mobile Convenience for 21<sup>st</sup>-Century Teaching and Learning

FOR THE STUDENT	FOR THE TEACHER
Access program content and resources 24/7, online and offline with <i>HMH Player</i> .	Access a full suite of teaching resources when and where you need them.
Use QR codes to gain instant access to <i>Math on the Spot</i> videos.	Customize and present course materials with collaborative activities and integrated formative assessments.
Learn and reinforce concepts with step-by-step interactive examples supported by video tutorials.	Plan, present, and manage classes, assignments, and activities through the Digital Teacher Experience.
Check comprehension of new concepts and skills and get individualized support automatically with <b>Personal Math Trainer</b> .	View professional development videos by program authors for instructional support for each module.

## **Comprehensive Strategies and Resources** for the Teacher

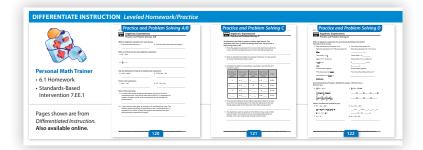
Print and digital resources provide teachers with substantial guidance and professional learning. The Teacher Edition supports instruction by explaining and implementing mathematical processes and detailing how to effectively incorporate components, such as digital resources, at point of use plus leveled questions for every example.



Explain how the Distributive Property was used to simplify the expression for the amount the company will pay to hire both Jill and Kyle. The Distributive Property was used to combine the terms with variables: 10.50h + 14.25h =(10.50 + 14.25)h = 24.75h

BOK 3 Strategic Thinking

**QUESTIONING STRATEGIES** aligned to specific practices are included in the Teacher Edition, along with suggestions for integrating the mathematical processes.

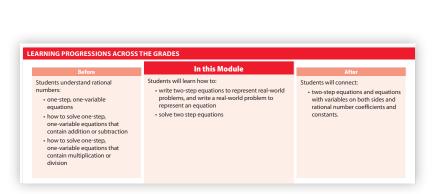


LEVELED QUESTIONS: (A) Approaching Level | (0) On Level | (B) Beyond Level

**DIFFERENTIATED HOMEWORK OPTIONS** are determined by Proficiency Level and clearly identified at point-of-use and with enhanced visuals.

for this module.	exercises to review skills		sonal Traine
Compare V	Vhole Numbers	interest	nline ment an vention
EXAMPLE	3,564 3,528	Compare digits in the thousands place	
	3,564 3,528	Compare digits in the hundreds place: !	
	3,564 > 3,528	Compare digits in the tens place: $6>3$	
Compare. Write		5 (5,050 <b>3.</b> 398 ) 389	
0	_	0	
4. 10,973	10,999 5. 8,47 le Numbers	1 < 9,001 <b>6.</b> 108 > 95	
EXAMPLE	356, 348, 59, 416 356, 348, 59, 416	Compare digits. Find the greatest num Find the next greatest number.	xer.
	356, 348, 59, 416 356, 348, 59, 416	Find the next greatest number. Find the least number.	
	416 > 356 > 348 > 5		
Order the numb	ers from greatest to le	ast.	
<ol> <li>156; 87; 1</li> </ol>		<ol> <li>591; 589; 603; 600</li> </ol>	
177 >	156 > 99 > 87	603 > 600 > 591 > 58	)
	05; 3,056; 2,088	<b>10.</b> 1,037; 995; 10,415; 1,029	
3,056 >	2,650 > 2,605 > 3	2,088 10,415 > 1,037 > 1,029	> 9
Locate Nu	nbers on a Nun	iber Line	
EXAMPLE	<u>+  + ♦ + +  </u> _5 0	Graph + 4 by starting at counting 4 units to the ri Graph - 3 by starting at counting 3 units to the le	ght. O and
Graph each pur	nber on the number lir		
		ne.     ♦             ↓ ↓ 10 15 20	
11, 12	12. 20	13. 2 14. 9	

**ARE YOU READY?** formative diagnostic pieces help teachers determine if students need intensive or strategic intervention for the module's prerequisite skills.



**LEARNING PROGRESSIONS** give teachers a better sense of the scope of curriculum across and within grade levels.

### Plan and Manage Your Classroom Online

**TEACHER DASHBOARD** provides quick access to the Teacher Edition and Resources, Interactive Student Edition, Reports, Assignments, *my*SmartPlanner, and more. All student work and grades are synced with the Teacher Dashboard.

A Dashboard		Search for Resources
mySmartPlanner ©	Resources @	Go Math, Middle School, Grade 6 © 2014
( Monday, Oct 28 2016 )	Henries         Date Effects         Dates of the sets         Market of the sets	wet Edition
then		Reports C
Landh 🔤	Due: 19/23/2015 1.1 Identifying Integers and Their Opposites - Homework Mr. Kony's Otes	Scores Usder 50% 50%-70% Over 70% 1.1 Identifying Integers and Their Opposites - Homework
tpm.	Due: 10/23/2015	1 4 in Mr. Kerry's Class Not submi
2:11 pm douty that	4/4 Completed V	1.2 Comparing and Ordering Integers - Homework
lagan	Due: 19/23/2015 1.3 Absolute Value - Homework	1.1 Absolute Value - Homework
	4/4 Completed √	1 A In Mr. Keny's Class Not submi

## The Support You Need — When You Need It

Our comprehensive Professional Learning solutions for leaders, teachers, and families are data- and evidence-driven, mapped to your goals, centered around your students, and delivered by master educators. These tailored, flexible solutions were designed with one goal in mind: to help you more effectively prepare students for college and careers.

### Start Strong, Finish Stronger

A **Getting Started with GO Math!** course will orient you to the program materials and technology, examine the instructional routines, help you support differentiation, and provide effective whole and small group instruction.



You'll find this course in your Teacher Dashboard. Additionally, program-embedded Professional Development Videos, featuring program authors Dr. Juli Dixon and Dr. Matt Larson, model successful teaching practices and strategies in actual classroom settings.

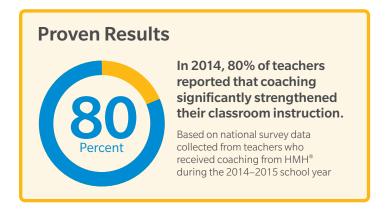
These videos are accessible via the Teacher Dashboard and QR codes in the print Teacher Edition.

### Build Capacity, Ensure Success with In-Classroom Support

Our Professional Learning will provide you with deeper knowledge of Mathematical standards, in-class support to facilitate instructional strategies and routines, and confidence to teach mathematics.

You'll get even more personalized support with our **Team and Individual Coaching**. We'll be there to help you plan your lessons and model effective mathematics instruction.

- Deliver focused, coherent, and rigorous lessons
- Connect learning across the grade levels
- Provide equal intensity to conceptual understanding, fluency, and application



Our deep bench of thought leaders from **Math Solutions**<sup>®</sup> make innovative approaches to teaching mathematics a reality. Created by renowned mathematics educator Marilyn Burns, **Math Solutions Professional Learning** services help teachers focus on developing mathematical processes, differentiation, and using formative assessments to impact student learning.

Need additional support with technology? Our **technical services team** can help you plan, prepare, implement, and optimize your technology so you can get the most out of **GO Math!** digital tools. We can help enhance your technology with learning management system interoperability, rostering, and single sign on within your environment.

For more information regarding HMH Professional Services, visit hmhco.com/professionalservices



### **PROGRAM FEATURES**

**Online Student Edition** Online Student Edition Student Dashboard

Online Teacher Edition Online Teacher's Edition Teacher Dashboard

Print Student Edition Write-in Student Edition

**Print Teacher Edition** Teacher Edition (Hardbound) Other Print Resources:

Differentiated Instruction Resources Solutions Key Assessment Resources Planning and Pacing Guide

**Teacher Dashboard** Personal Math Trainer Powered by Knewton *my*SmartPlanner

### To complete your Middle School Curriculum, HMH provides three pathways:

### REGULAR

Grade 6 Grade 7 Grade 8

### ACCELERATED

Grade 6 Accelerated 7 Algebra 1: Analyze, Connect, Explore

### ADVANCED

Advanced 1 Advanced 2 Algebra 1: Analyze, Connect, Explore

Contact your HMH<sup>®</sup> Account Executive for more information about GO Math! Middle School Grades 6–8 © 2018 and to preview resources as they are available.

Connect with us:

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