

GOALS

- Key Shifts with CCSS Mathematics
- A Closer Look at the Standards
 - · Standards for Mathematical Practice
 - Content Standards
- SBAC Assessment Consortium
- Resources



Tulare County Office of Education

TIMED-ROUND-ROBIN

Tulare County Office of Education

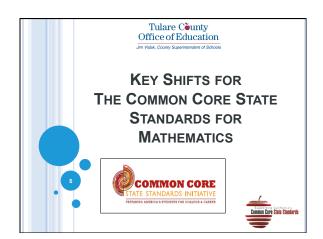
Have each person at your table share their response to the following questions. Be prepared to share with the whole group.

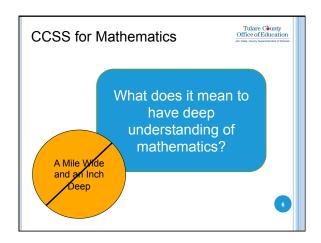
- What do I want to learn about the Common Core State Standards?
- What questions do I have about CCSS?

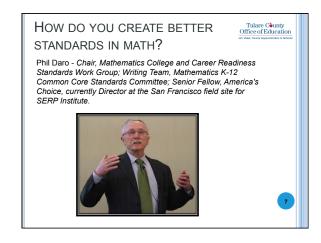


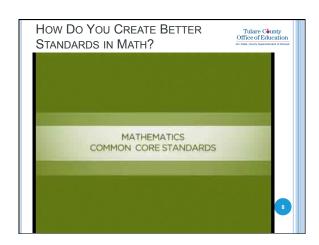


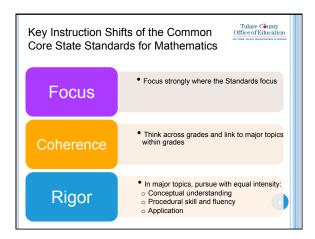


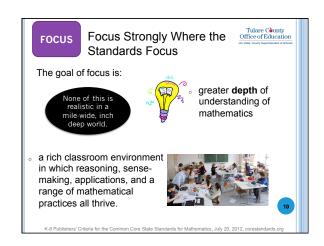






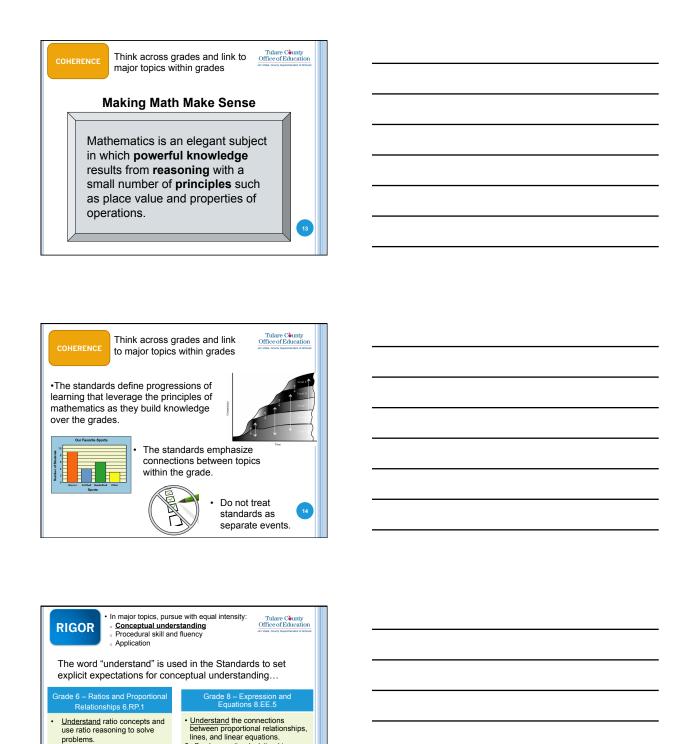








Focus	Tulare County Office of Education AN MAK. Carry Supermonent of Street
Grade	Focus Areas in Support of Rich Instruction and Expectations of Fluency and Conceptual Understanding
K-2	Addition and Subtraction – Concepts, Skills, and Problem Solving
3.5	Multiplication and Division of Whole Numbers and Fractions – Concepts, Skills, and Problem Solving
6	Ratios and Proportional Relationships; Early Expressions and Equations
7	Ratios and Proportional Relationships; Arithmetic of Rational Numbers
8	Linear Algebra and Linear Functions

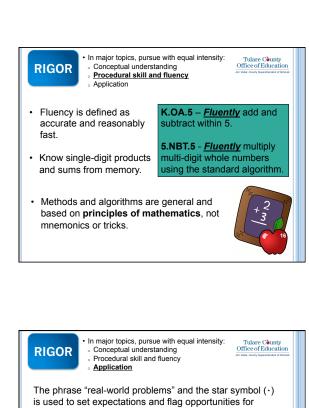


problems.

problems.

<u>Understand</u> the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. For example...

Illies, and illied equations.
5. Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. For example,...

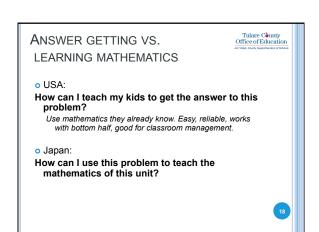


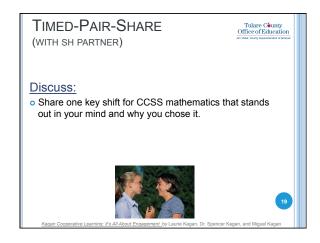
Ample single-step and multi-step contextual problems
 Modeling real-world problems builds slowly across K-8.

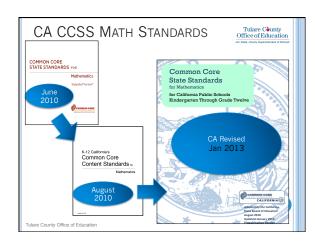
Problem Solving Individually and Collaboratively

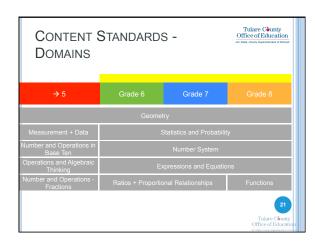
It is a conceptual category in high school.

applications and modeling.









COMMON CORE STANDARDS FOR Tulare County Office of Education MATHEMATICS: TWO TYPES

 Mathematical Practice (recurring throughout the grades)

Mathematical Content (different at each grade level or course)

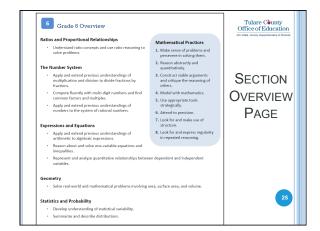


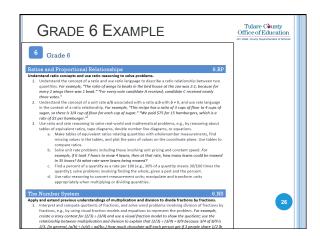
$Standards \ for \ Mathematical \ Practice \quad {\tiny Tulare \ C \ intro} \\ Office of Education \\$ MATHEMATICALLY PROFICIENT STUDENTS:

- 1. Make sense of problems and persevere in solving them
- 2. Reason abstractly and quantitatively
- 3. Construct viable arguments and critique the reasoning of others
- 4. Model with mathematics
- 5. Use appropriate tools strategically
- 6. Attend to precision
- 7. Look for and make use of structure
- 8. Look for and express regularity in repeated reasoning

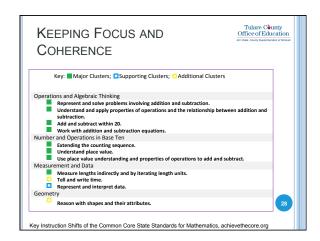


Tulare County Office of Education INTRODUCTION TO THE GRADE LEVEL

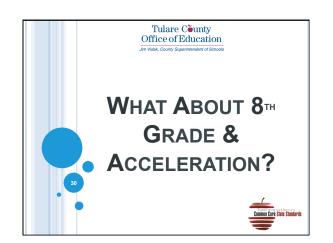


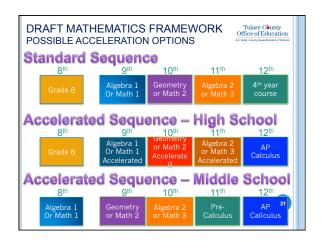


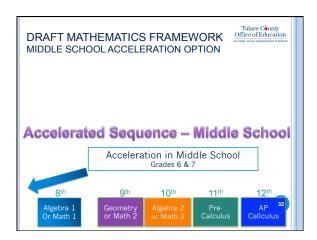
GRADE SHIFTS		Office	re County of Educatio
Concept	1997 Standards	ccss	
Dividing fractions by fractions	Grade 5	Grade 6	
Concepts of mean and median to summarize data sets	Grade 5	Grade 6	
Operations with numbers in scientific notation	Grade 7	Grade 8	
Pythagorean Theorem	Grade 7	Grade 8	27

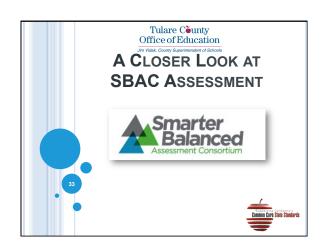


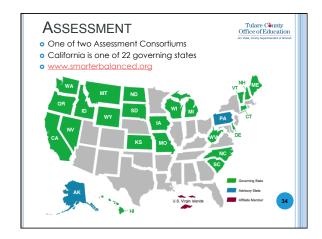
"Some of the highest priority for college and career readiness comes from Grades 6-8. This body of material involves powerfully used proficiencies such as applying ratio reasoning in real world and mathematical problems, computing fluently with positive and negative fractions and decimals, and solving real-world and mathematical problems involving angle measure, area, surface area, and volume. - Jason Zimba Examples of Structure in the Common Core State Standards' for Mathematical Content

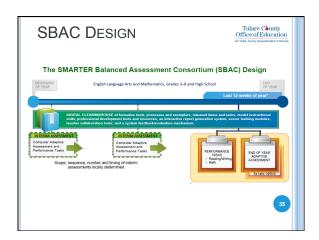




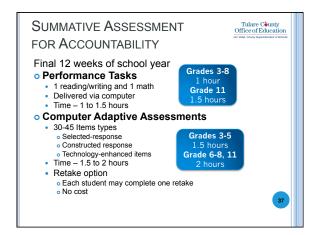


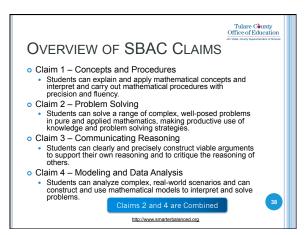




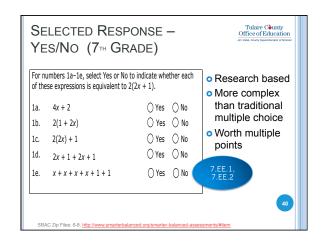


SMARTER BALANCED ASSESSMENT CONSORTIUM Tulare Cibruity Office of Education AND Total Value Construction of the Construction o

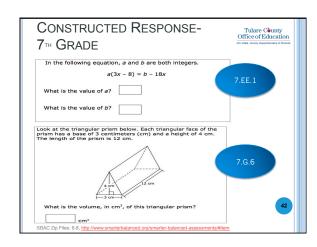


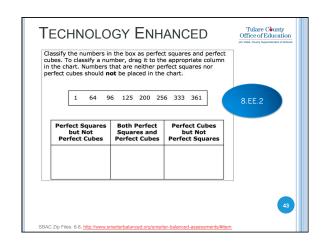


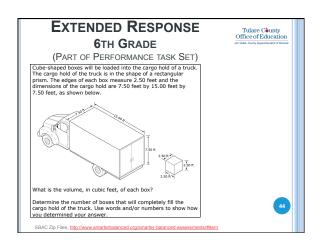
SBAC ITEM TYPES	Tulare County Office of Education	
Computer Adaptive	ле мац, салеу заременане с заполя	
o Selected Response		
o Constructed Response		
o Technology Enhanced		
Performance Task		
o Extended Response		
o Performance Task	39	
SBAC: Mathematics Item Specifications Grades 3-5, developed by Measured Progress/ETS http://www.smarterbalanced.org/smarter-balanced-assessments/#item	S Collaborative, April 16, 2012,	-

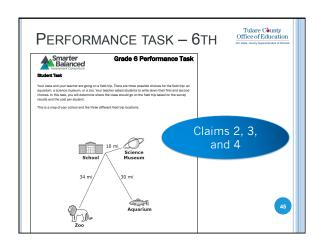


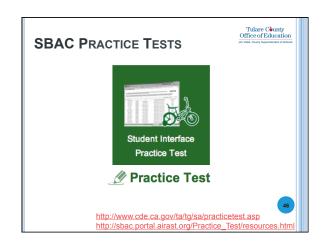
SELECTED RESPONSE – ALL THAT APPLY – GRADE 6	Education
In art class, Marvin painted tiles to use for a project. For every 5 tiles he painted blue, he painted 8 tiles green.	
Identify the equivalent ratio(s) of blue tiles to green tiles. Select all that apply.	
(A) 20:23	
® 40:25	
© 50:800	
© 60:96	41
SBAC Zip Files	

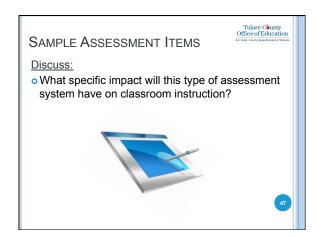


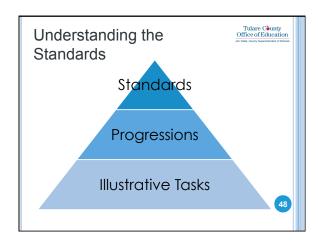


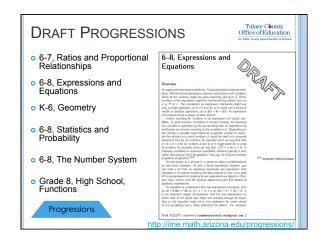


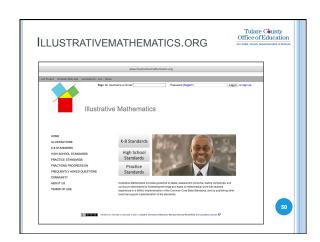


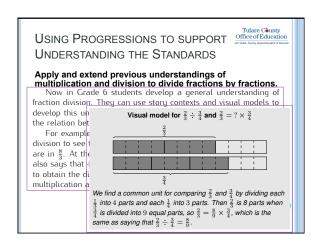












	LUSTRATIVE TASK HOW MANY	ARE IN	Tulare Co Office of Ed	lucation
Solv	re each problem using pictures and usin	g a number sentence	e involving division.	
a. H	How many fives are in 15?			
b. H	How many halves are in 3?			
c. H	How many sixths are in 4?		6.NF.1	
d. H	How many two-thirds are in 2?		O.INF. I	
e. H	How many three-fourths are in 2?			
f. H	How many $\frac{1}{6}$'s are in $\frac{1}{3}$?			
g. H	How many $\frac{1}{6}$'s are in $\frac{2}{3}$?			
h. H	How many $\frac{1}{4}$'s are in $\frac{2}{3}$?			
i. H	How many $\frac{5}{12}$'s are in $\frac{1}{2}$?			52

BEYOND THE ANSWER

 http://www.americaachieves.org/issues/commoncore-in-practice-great-teachers-demonstratemoving-to-deeper-learning?
 bcpid=2324725292001&bckey=AQ~~,AAACGDPFg 8k~,w0femldt92Jl4VFi2Xmzt6rwNjjo-NjD&bclid=2296617881001&bctid=2305455503001



Tulare County Office of Education

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IMPLEMENTING CCSSM

Implementation of the CCSSM will take **time** and **effort**, but it also provides a new opportunity to ensure that California' students are held to the same high expectations in mathematics as their national and global peers. Educators are challenged to become familiar with the standards and to raise the bar for student achievement through rigorous curriculum and instruction that develops students' **conceptual understanding**, **procedural skill and fluency**, <u>and</u> the ability to **apply mathematics**.

- Draft California Mathematics Framework, Introduction page





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