BELL RINGER

Domain: Operations and Algebraic Thinking
Item: CR

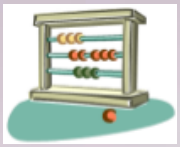
Candy wants to buy herself a new bicycle that costs $240. Candy has already saved $32, but she needs to make a plan so she can save the rest of the money she needs. She decides to save the same amount of money, x dollars, each month for the next four months.

Part A: Write an equation that helps Candy determine the amount of money she must save each month.

Equation _____

Part B: Solve the equation to find the amount of money she must save each month to meet her goal of buying a bicycle.
Show your work.

Answer $_____



A Brief History

1990s - growing concern on the part of governors and business leaders were graduating from school unprepared for college or the workforce

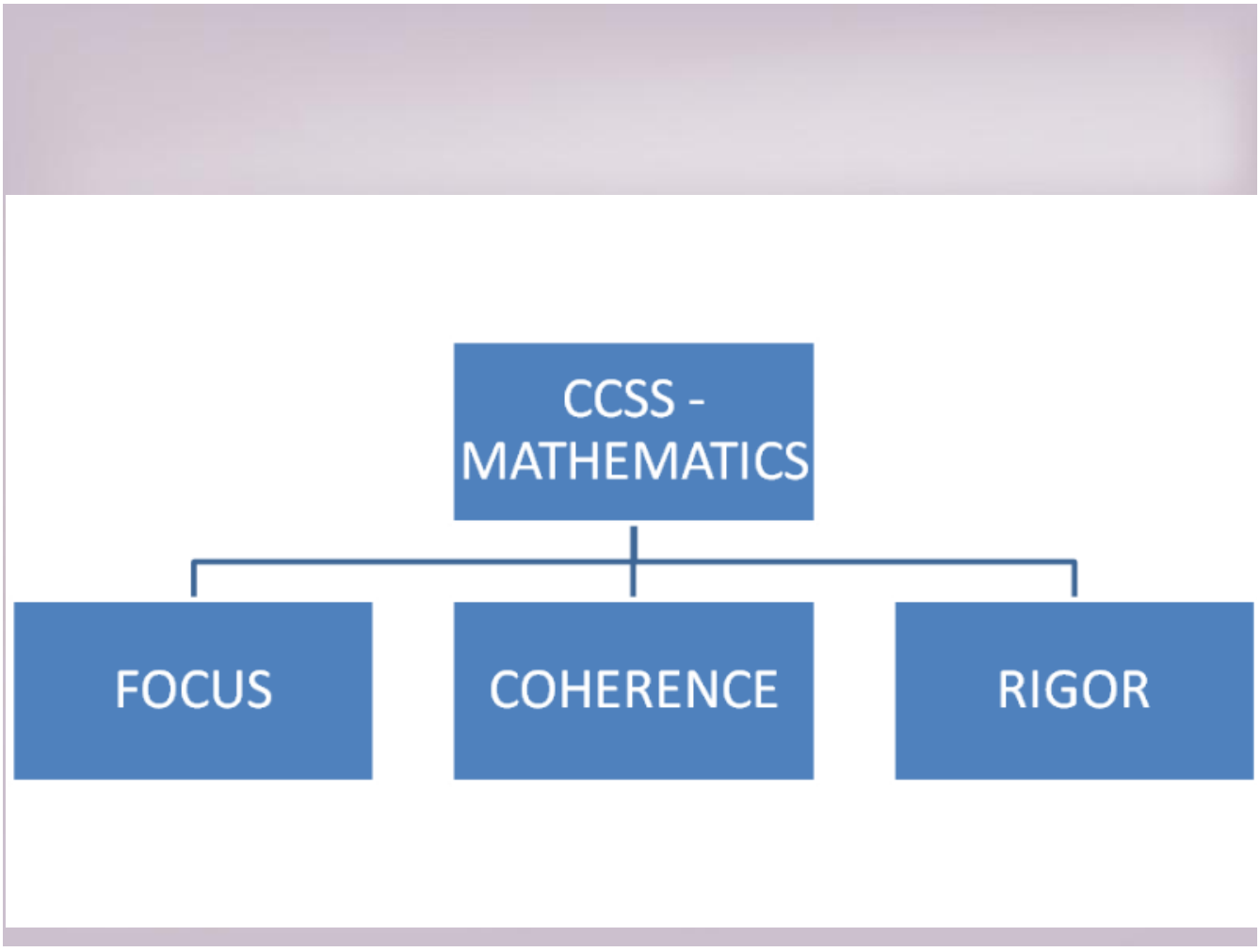
2007- Council of Chief State School Officers and the National Governors Association began to develop national standards based on research and international models

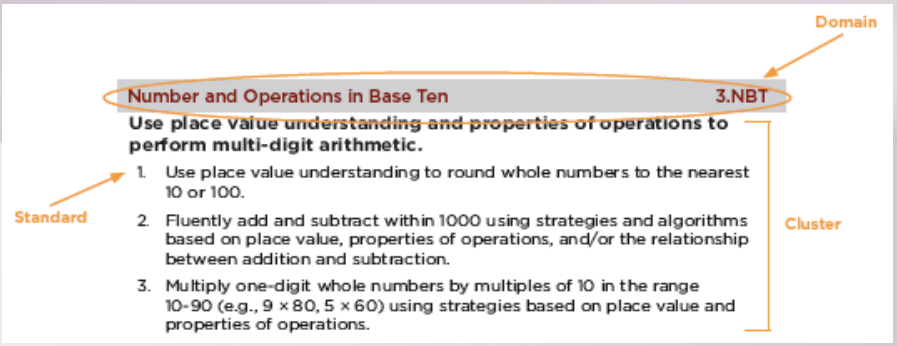
2010 - Final version of the CCSS for ELA and math were released

2012 - Forty-five states and 3 territories have adopted the CCSS
*States adopting CCSS were able to add more standards

Why Common Core State Standards?

- **Preparation**: The standards will help prepare students with the knowledge and skills they need to succeed in education and training after high school
- **Competition**: The standards are internationally benchmarked
- **Equity**: Expectations are consistent for all
- **Clarity**: The standards are focused, coherent, and clear
- **Collaboration**: Will create a foundation to work collaboratively across states and districts, pooling resources and expertise, to create curricular tools, professional development, assessments and other materials


CCSS - MATHEMATICS
FOCUS
COHERENCE
RIGOR



Standards define what students should understand and be able to do.

Clusters summarize groups of related standards. Note that standards from different clusters may sometimes be closely related, because mathematics is a connected subject.

Domains are larger groups of related standards. Standards from different domains may sometimes be closely related.

CCSS Mathematical Domains

Counting & Cardinality

Operations & Algebraic Thinking

Number & Operations in Base Ten

Number & Operations—Fractions

Measurement & Data

Geometry

Ratios & Proportional Relationships

The Number System

Expressions & Equations

Functions

Statistics & Probability

CCSS for Mathematical Practice

Make sense of problems and persevere in solving them.

Reason abstractly and quantitatively.

Construct viable arguments and critique the reasoning of others.

Model with mathematics.

Use appropriate tools strategically.

Attend to precision.

Look for and make use of structure.

Look for and express regularity in repeated reasoning.

Emphases in Common Core Standards for Mathematical Content Kindergarten - High School

http://engageny.org/sites/default/files/resource/attachments/nys-math-emphases-k-hs.pdf

The Shifts

There are twelve shifts that the Common Core requires of teachers if we are to be truly aligned with it in terms of curricular materials and classroom instruction.

There are six shifts in Mathematics and six shifts in ELA/ Literacy.

http://www.morriscs.org/files/1241289/shifts-for-students-and-parents.pdf

RESOURCES AND MATERIALS

http://www.morriscs.org/index.cfm

Questions?

GRADE	REQUIRED FLUENCY
K	Add/Subtract within 5
1	Add/Subtract within 10
2	Add/Subtract within 20* Add/Subtract within 100 (pencil and paper)
3	Multiply/divide within 100** Add/Subtract within 1000
4	Add/Subtract within 1,000,000
5	Multi-digit multiplication
6	Multi-digit division Multi-digit decimal operations
7	Solve $px + q = r$, $p(x + q) = r$
8	Solve simple 2x systems by inspection

*** By the end of the year, know from memory all sums of two one-digit numbers.**
****By the end of the year, know from memory all products of two one-digit numbers.**