

EUREKA MATH

How we got here

- 2007- A group of education leaders create GreatMinds to define and encourage content rich education for all American school children.
- 2011 – Educators, instructional coaches, and mathematicians begin writing modules for Kindergarten through 12th grade.
- 2015 – EdReports.org gives Eureka Math its highest rating for alignment to College and Career ready standards, focus, and usability.
- 2016 – RAND reports that Eureka Math is the most widely used math curriculum in the US.

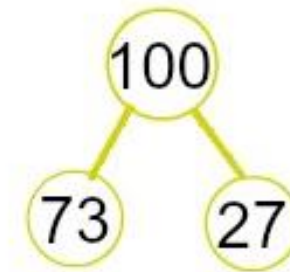
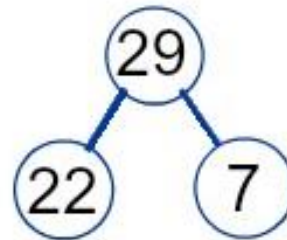
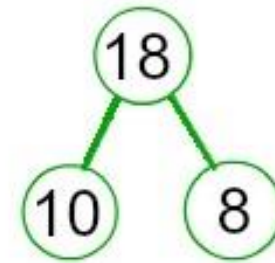
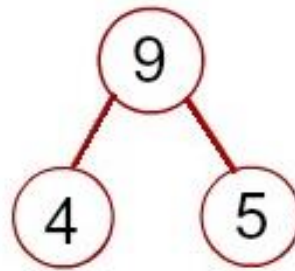
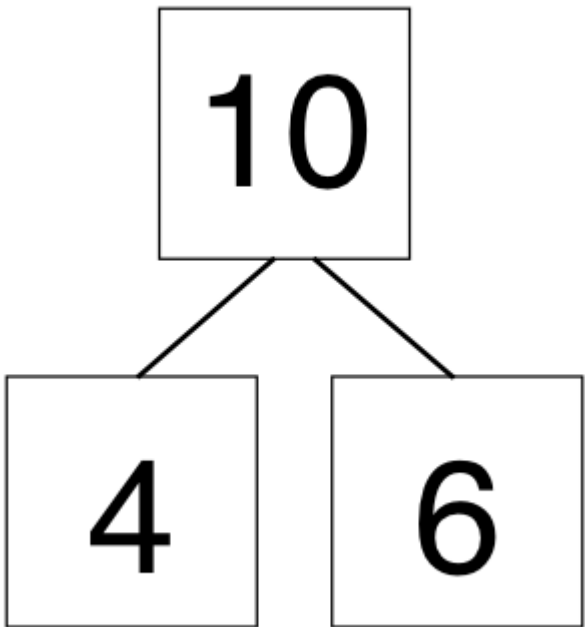
What you will see...

- Logical progression from PreK-12th Grade
- Reduced gaps in student learning
 - Persistence in problem solving
- Students prepared to understand advanced mathematics

Four Components

- Fluency
- Application
- Concept Development
- Debrief

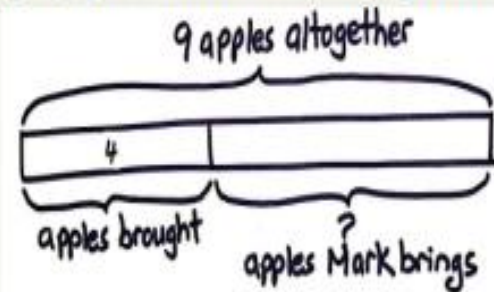
Number Bonds- Number bonds help students see that numbers can be broken into pieces. Students more easily recognize the relationship between operations.



Tape Diagram

Early Example

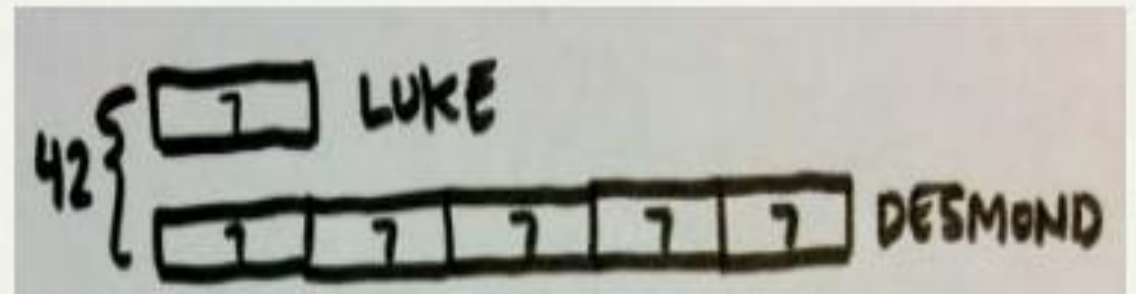
Sara brought 4 apples to school. After Mark brings her some more apples, she has 9 apples altogether. How many apples did Mark bring her?



$9 - 4 = 5$
Mark brought Sara 5 apples.

Later Example

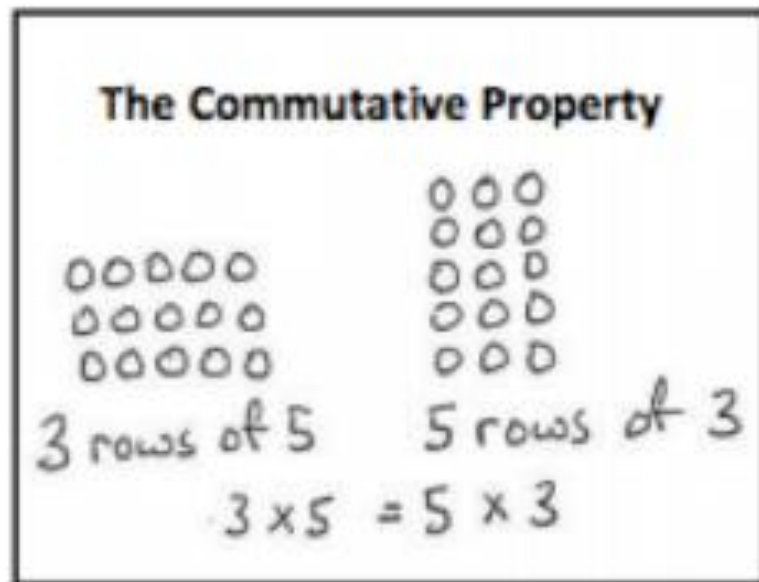
Desmond has 5 times as many toy cars as Luke. They have 42 cars altogether. How many cars does each boy have?



****The type of problem will influence the design of the tape diagram (joining, separating, part-part-whole, comparison, etc.)**

Helpful Hints for Parents

Parent Tip Sheets/Newsletters



An illustration of the Commutative Property

+ How you can help at home:

- Practice “counting on” as a strategy for addition, e.g. if you have 7 LEGO pieces, and then you get 3 more, encourage your student to start with the number 7 and count “8...9...10” to find the total.

Parent Support at GreatMinds.org



"I CAN'T COME OUT. I HAVE TO HELP MY DAD WITH MY HOMEWORK."

ONLY IN MATH PROBLEMS CAN YOU BUY
60 CANTALOUPEs AND NO ONE ASKS
WHAT THE HECK IS WRONG WITH YOU.



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