MATH NEWS

3rd Grade Math

Module 1: Properties of Multiplication and Division and Solving Problems with Units of 2-5 and 10

Math Parent Letter

This document gives parents and students a better understanding of the Eureka math concepts that are taught in the classroom. Module 1 of Eureka Math covers Properties of Multiplication and Division and Solving Problems with Units of 2-5 and 10. This newsletter will discuss Module 1, Topic E.
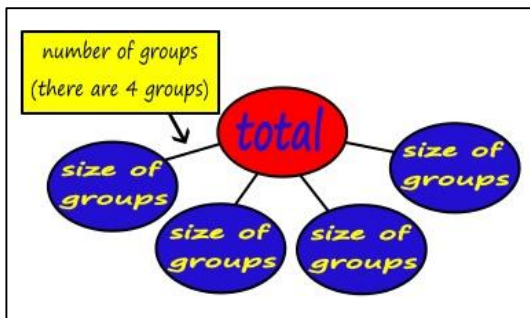
Topic E Multiplication and Division Using Units of 4

Vocabulary Words

- Array
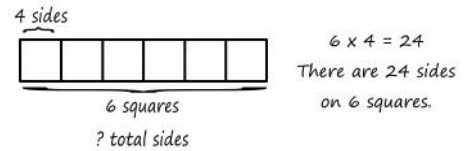- Tape Diagram

Things to Remember!!!

A number bond

Focus Area– Topic E

Multiplication and Division Using Units of 4

Find the number of sides on 6 squares.

We know there are 4 sides on a square and we have 6 squares. The tape diagram is labeled with all of the information given in the word problem. We are looking for the total number of sides in 6 squares, so we will multiply to find the answer.

Students will also begin to explore the use of smaller facts to solve a larger fact by using arrays.

This array shows how dividing the problem into two smaller factors can make it easier to solve. Students already know 5 x 4 and 2 x 4. So they know 7 x 4.
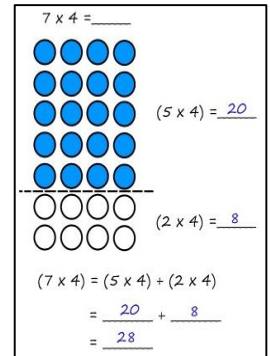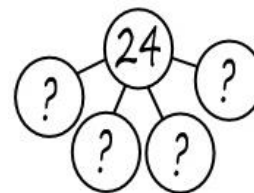

7 x 4 is (5 x 4) + (2 x 4) or 20 + 8.

Craig arranges 24 baseball cards into 4 equal rows. How many cards are in each row?

I can find the unknown by skip-counting by 4's.

4, 8, 12, 16, 20, 24 – there are 6 groups of 4

OBJECTIVE OF TOPIC E

1   Skip-count objects in models to build fluency with multiplication facts using units of 4.

2   Relate arrays to tape diagrams to model the commutative property of multiplication.

3   Use the distributive property as a strategy to find related multiplication facts.

4   Model the relationship between multiplication and division.