Central Dauphin School District Grade 3 Math: Unit 1 Parent Letter Addition & Subtraction



Dear Parents,

Over the next several weeks, we will be learning about **addition** and **subtraction** in math! The information below will help you to support your child as they learn these exciting, yet important third grade math skills.

The GOAL:

By the end of the unit, your child should be able to apply properties of addition to add two- and three-digit whole numbers. They should also be able to subtract two- and three-digit whole numbers from three-digit whole numbers.

Addition Properties

In math, students will learn what an addend is. An **addend** is a number that is added to another number.

Identity Property of Addition states that any addend plus zero will equal the same number. (The number will keep its identity)

Commutative Property of Addition states the order of addends does not matter.

$$7 + 8 = 15$$
 is the same as $8 + 7 = 15$

Associative Property of Addition states you can group addends in any order. This property is used when there are three or more addeneds.

$$(2+3)+4=9$$

$$2+(3+4)=9$$

$$(2+4)+3=9$$
This example uses the Commutative Property first to change the order of the addends!

Multi-Digit Addition & Subtraction

	1
206	318
+ 112	+ 34
318	352

Without With regrouping

Without With regrouping

Regrouping Challenge:

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Grade 3 Math: PA Core Math Standards in Unit 1

CC.2.1.3.B.1: Apply place-value understanding and properties of operations to perform multi-digit arithmetic.

-- HOW TO HELP AT HOME --

- Look for opportunities to practice mental math.
- Encourage children to skip count by different amounts. (Start with easier increments like 2s, 5s, and 10s, and then work towards harder increments like 3s, 4s, and 6s.)
- Talk about different ways to regroup different amounts. For example, a dozen eggs can be grouped in 2s, 3s, 4s, and 6s. Look for ways to group other everyday objects!
- At the store, compare prices and see how much you can save.
- Play math games that develop fact fluency (accuracy and speed).

-- KEY MATH VOCABULARY --

Difference: The answer to a subtraction problem.

Fact Family: A set of related addition and subtraction equations.

Number Sentence: A complete equation, containing an equal sign (=) and operation sign (+, -).

Sum: The answer to an addition problem.

Whole Number: A counting number (1, 2, 3, ...) or zero.

