

Central Dauphin School District
 Grade 2 Math: Unit 2 Parent Letter
 Operations and Algebraic Thinking



Dear Parents,

Over the next several weeks, we will be learning about *adding and subtracting two and three digit numbers with and without regrouping* in math! The information below will help you to support your child as they learn these exciting, yet important second grade math skills.

The GOAL:

By the end of the unit, your child should be able to *add and subtract two and three digit numbers with and without regrouping*.

Help your child with addition:

Two Digit Addition:

Without Regrouping

	tens	ones
	3	2
+	4	7
	7	9

$$32 + 47 = 79$$

With Regrouping

	tens	ones
	1	
	3	9
+	2	6
	6	5

$$39 + 26 = 65$$

Help your child with subtraction:

Two Digit Subtraction:

Without Regrouping

	tens	ones
	5	8
-	2	4
	3	4

$$58 - 24 = 34$$

With Regrouping

	tens	ones
	6	13
	7	8
-	3	6
	3	7

$$73 - 36 = 37$$

Three Digit Addition:

Without Regrouping

	hundreds	tens	ones
	4	1	5
+	2	6	3
	6	7	8

$$415 + 263 = 678$$

With Regrouping

	hundreds	tens	ones
	1	1	
	3	4	7
+	4	8	5
	8	3	2

$$347 + 485 = 832$$

Three Digit Subtraction:

Without Regrouping

	hundreds	tens	ones
	8	4	5
-	6	3	2
	2	1	3

$$845 - 632 = 213$$

With Regrouping

	hundreds	tens	ones
		11	
	4	4	14
	5	2	4
-	2	5	7
	2	6	7

$$524 - 257 = 267$$



Solving Word Problems

Bar Model:

Chris has a box of 50 crayons. Sarah has a box of 25 crayons.
How many crayons do they have all together?



Write an Equation:

There were 28 birds in the tree. Then 10 birds flew away.
How many birds are in the tree now?

$$28 - 10 = \square$$

Grade 2 Math: PA Core Math Standards in Unit 2

CC.2.2.2.A.1 Represent and solve problems involving addition and subtraction within 100.

CC.2.2.2.A.2 Use mental strategies to add and subtract within 20.

CC.2.2.2.A.3 Work with equal groups of objects to gain foundations for multiplication (repeated addition).

-- HOW TO HELP AT HOME --

- Roll three dice to make a two or three digit number then roll again. Add or subtract the numbers the you've made.

- Use cards to make two or three digit numbers. Then add or subtract the numbers you've made.

- Use chalk to solve two digit and three digit addition and subtraction problems.

- Pose simple addition or subtraction problems and have your child determine whether to add or subtract.

-- KEY MATH VOCABULARY --

Addend: a number that is added to another number.

Difference: the answer to a subtraction problem

Place Value: value of the place a digit occupies in a number (ones place, tens place, hundreds place, etc.)

Sum: the answer to an addition problem

Subtract: take away (a number or amount) from another to find a difference

Addition Sentence: a mathematical expression that includes two or more addends and a sum