

Dear Parents,

Over the next several weeks, we will be learning about numbers and operations in base 10 in math! The information below will help you to support your child as they learn these exciting, yet important second grade math skills.

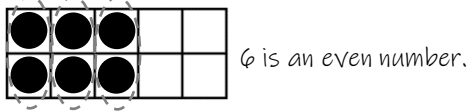
The GOAL:

By the end of the unit, your child should be able to understand place value concepts when solving addition and subtraction problems.

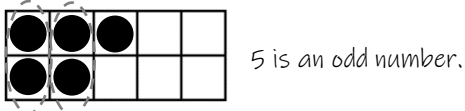
Help your child with place value concepts:

How can you tell if a number is odd or even?

Even numbers show pairs with no circles left over.



Odd numbers show pairs with one circle left over.



Skip Count by:

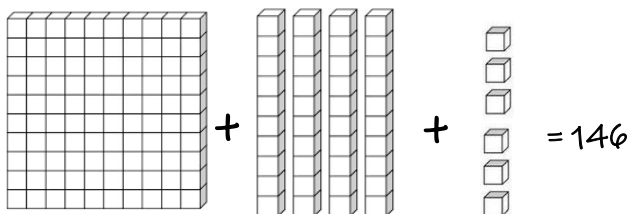
Twos: 2, 4, 6, 8, 10...

Fives: 5, 10, 15, 20, 25...

Tens: 10, 20, 30, 40, 50...

Hundreds: 100, 200, 300, 400, 500...

Represent three-digit numbers: 146



1 hundred + 4 tens + 6 ones = 146

Add using three addends:

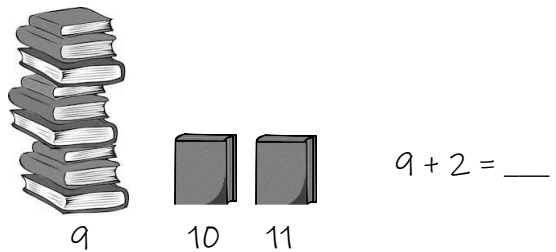
$$3 + 7 + 2 = \underline{\quad}$$

$$10 + 2 = 12$$

Help your child learn how to add and subtract:

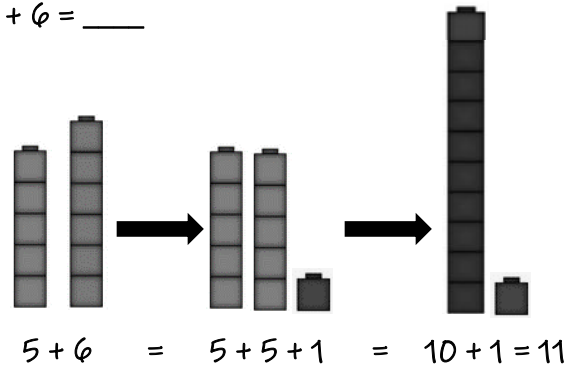
Counting On (add):

Add 2:



Doubles Plus 1: Use doubles plus 1 to find:

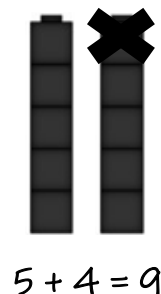
$5 + 6 = \underline{\quad}$



So, $5 + 6 = 11$

Doubles Minus 1: Use doubles minus 1 to find:

$5 + 4 = \underline{\quad}$





Comparing Numbers

Compare two numbers using symbols.

<	less than	one value is smaller than the other
>	greater than	one value is greater than the other
=	equal	both values are the same

YOUR TURN!

Compare the numbers. Write <, >, or =.

Hundreds	Tens	Once
4	3	5
2	9	3

$$435 > 293$$

Hundreds	Tens	Once
3	8	4
3	8	7

$$384 \bigcirc 387$$

Two-digit Addition:

Tens	Ones
2	6
3	2
5	8

Two-digit Subtraction:

Tens	Ones
8	8
5	7
3	1

Grade 2 Math: PA Core Math Standards in Unit 1

CC.2.1.2.B.1: Use place value concepts to represent amounts of tens and ones and to compare three digit numbers.

CC.2.1.2.B.2: Use place value concepts to read, write, and skip count to 1,000.

CC.2.1.2.B.3: Use place value understanding and properties of operations to add and subtract within 1,000.

-- HOW TO HELP AT HOME --

- Use different objects at home to practice counting and determine if the number is odd or even.
- If you are at the store, count different quantities and determine which is more or less.
- Help your child look through magazines, old books, or newspapers for 3-digit numbers and cut them out. Work together to create a word problem using some of the numbers and glue the numbers in place. Use one of the above strategies to solve the problem!
- When going for a walk, drive, or playing at home, practice skip counting by twos, fives, and tens.
- Use dice to find doubles facts, sums, and differences.

-- 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