



Dear Third Grade Families,

In Unit 1, students will work on the following third grade Common Core standards in the Number and Operations in Base Ten (NBT) domain.

3.NBT.1	Use place value understanding to round whole numbers to the nearest 10 or 100.
3.NBT.2	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Unit 1 Concepts:

- Add and subtract within 1000 using different strategies
- Solve addition and subtraction word problems
- Round to the nearest 10 or 100

Unit 1 Vocabulary:

- Efficient
- Precise
- Estimate
- Solution
- Sum
- Difference
- Addition & Subtraction Strategies (from Gr. 2)
 - Draw a Picture
 - Place Value
 - Number Line
 - Friendly Number
 - Number Bond
 - Tape Diagram

Ask questions like these to help your child become a productive mathematical thinker:

- What concepts or rules helped you to solve the problem?
- Does your answer seem reasonable?
- What strategies helped you solve this problem?
- What does your illustration represent?

Need a review? Check out our lesson videos on-line!

swunmath.com/student-videos

If you don't know the class's special name, ask your child's teacher.

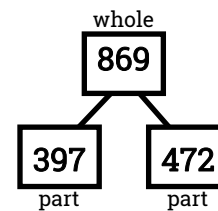
Addition Strategies

$$397 + 472 = 869$$

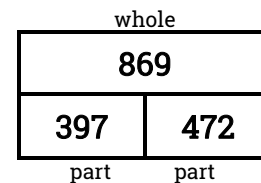
Friendly Number Strategy

$$\begin{array}{r} 397 + 472 \\ +3 \quad -3 \\ \hline 400 + 469 = 869 \end{array}$$

Number Bond



Tape Diagram



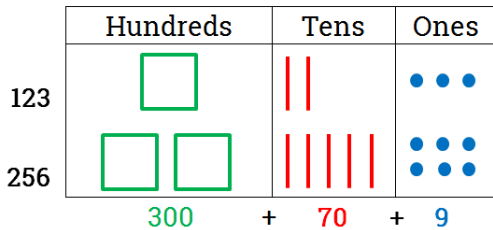
...more strategies on the back!

We encourage you to talk with your child daily about what was learned in math class.
Thank you for your support!



$$123 + 256 = 379$$

Draw a Picture Strategy



1. Decompose the addends.
2. Draw the ones, bundle if 10 or more.
3. Draw the tens, bundle if 10 or more.
4. Draw the hundreds.
5. Add the ones, tens, and hundreds and combine your answers.

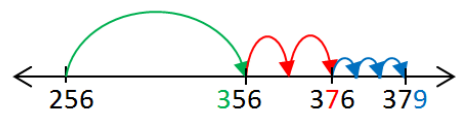
Place Value Strategy

H	T	O	
100	20	3	300
200	50	6	70
300	70	9	+ 9
			379

1. Decompose the addends on a place value mat.
2. Add the ones.
3. Add the tens.
4. Add the hundreds.
5. Rewrite in working form and add.

Number Line Strategy

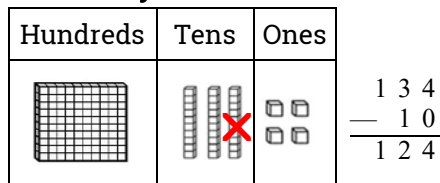
Decompose $123 = 100 + 20 + 3$



1. Write the larger addend at the beginning (left side) of the number line.
2. Decompose the smaller addend.
3. Count on the hundreds.
4. Count on the tens.
5. Count on the ones.

$$379 - 123 = 256$$

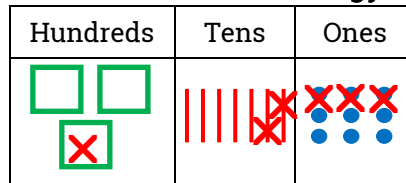
Mentally Subtract 10 or 100



This strategy works when subtracting 10 or 100.

1. Draw the minuend on a place value chart.
2. Subtract a ten rod or hundred square.
3. Rewrite the difference.
4. Check your answer using working form.

Draw a Picture Strategy



1. Draw the minuend on a place value mat.
2. Subtract the ones, unbundle and regroup a ten, if needed.
3. Subtract the tens, unbundle and regroup a hundred, if needed.
4. Subtract the hundreds.
5. Rewrite the expanded form to standard form.

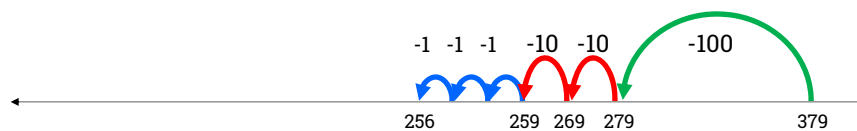
Place Value Strategy

Hundreds	Tens	Ones
300	70	9
- 100	20	3
200	50	6

1. Decompose/break apart both numbers into hundreds, tens, and ones.
2. Subtract the ones.
3. Subtract the tens.
4. Subtract the hundreds.
5. Change your answer from expanded form to standard form.

$$379 - 123 = 256$$

Number Line Strategy



1. Write the minuend at the right end of the number line.
2. Decompose the subtrahend. $100 + 20 + 3$
3. Count back the number of hundreds.
4. Count back the number of tens.
5. Count back the number of ones.
6. Add up the value of your jumps to find the difference.

minuend - subtrahend = difference

$$379 - 123 = 256$$