Addition and Subtraction Content Study Guide

Vocabulary:

Sum: the answer to an addition problem

Addend: a number being added

Difference: the answer to a subtraction problem

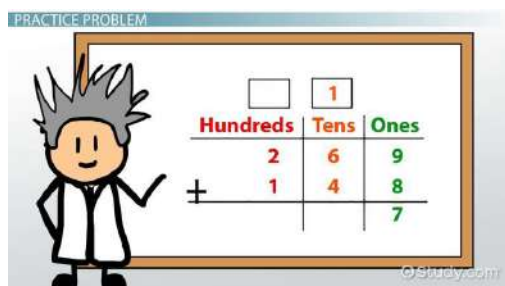Minuend: the number being subtracted from (the first number)

Subtrahend: the number being subtracted (the number after the minus sign)

Addition: Sum = Addend + Addend

Subtraction: Minuend – Subtrahend = Difference

Applying the standard algorithm for addition and subtraction:

1. Line up the digits in corresponding place values
2. Add/subtract starting in the ones place and moving to the left
3. Regroup as necessary

PRACTICE PROBLEM

	Hundreds	Tens	Ones
		1	
+	2	6	9
	1	4	8
			7

	Hundreds	Tens	Ones
		1	
+	2	6	9
	1	4	8
		1	7

	Hundreds	Tens	Ones
	1	1	
+	2	6	9
	1	4	8
	4	1	7

$$6\ \overset{1}{\cancel{2}}\ 3$$
$$-1\ 4\ 9$$

$$6\ \overset{1}{\cancel{2}}\ 3$$
$$-1\ 4\ 9$$
$$\qquad\ 4$$

$$\overset{5}{\cancel{6}}\ \overset{1}{\cancel{2}}\ 3$$
$$-1\ 4\ 9$$
$$\qquad\ 4$$

$$\overset{5}{\cancel{6}}\ \overset{1}{\cancel{2}}\ 3$$
$$-1\ 4\ 9$$
$$\quad\ 7\ 4$$

$$\overset{5}{\cancel{6}}\ \overset{1}{\cancel{2}}\ 3$$
$$-1\ 4\ 9$$
$$4\ 7\ 4$$

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Solving for missing pieces:

1. Fill in the Part-Part-Whole chart with given numbers
2. Decide whether to add or subtract the numbers based on where they are int the chart
3. Solve to find the missing piece

Part-Part-Whole Chart

Whole	
Part	Part

Addtition:

Sum	
Adddend	Addend

Subtraction:

Minuend	
Subtrahend	Difference

For: ?- 321 = 523   Solve: 321 + 523 = ?

?	
321	523

For: 7,829 - ? = 2,361   Solve: 7,829 – 2,361 = ?

7,829	
?	2,361

For: ? + 617 = 1,283   Solve: 1,283 – 617 = ?

1,283	
?	617

Ex: 7,908 + ? = 14,837   Solve: 14,837 – 7,908 = ?

14,837	
7,908	?