

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: $\text{Sum} = \text{Addend} + \text{Addend}$

Subtraction: $\text{Minuend} - \text{Subtrahend} = \text{Difference}$

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
	2	6	9
+	1	4	8
			7

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	2	6	9
+	1	4	8
		1	7

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

$$\begin{array}{r} 623 \\ -149 \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ -149 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 511 \\ 623 \\ -149 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 511 \\ 623 \\ -149 \\ \hline 74 \end{array}$$

$$\begin{array}{r} 511 \\ 623 \\ -149 \\ \hline 474 \end{array}$$

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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 in the chart
3. Solve to find the missing piece

Part-Part-Whole Chart

Whole	
Part	Part

Addition:

Sum	
Addend	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	?