Addition and Subtraction Problem Situations

ACTIVE SITUATIONS

	Result Unknown	Change Addend Unknown	Start Addend Unknown	
Add-To	Paulo counted 9 crayons. He put them in the basket. Paulo found 6 more crayons under the table. He put them in the basket. How many crayons are in the basket? $9+6=x$ $6=x-9$	Paulo counted 9 crayons. He found more and put them in the basket. Now Paulo has 15 crayons. How many crayons did he put in the basket? $9+x=15$ $9=15-x$	Paulo had some crayons. He found 6 more crayons under the table. Now he has 15 crayons. How many crayons did Paulo have in the beginning? $x+6=15$ $15-6=x$	
Take-From	There are 19 students in Mrs. Amadi's class. 4 students went to the office to say the Pledge. How many students are in the class now? $19-4=x$ $4+x=19$	There are 19 students in Mrs. Amadi's class. Some students went to class to read the Pledge. There were still 15 students in the classroom. How many students went to the office? $8+x=19$ $x=19-8$	4 students went to the office. 15 students were still in the classroom. How many students are there in Mrs. Amadi's class? $x-4=15$ $15+4=x$	

RELATIONSHIP (NONACTIVE) SITUATIONS

	Total Unknown	One Part Unknown		Both Parts Unknown
Part-Part-Whole	The first grade voted on a game for recess. 11 students voted to play four square. 8 voted to go to the playground. How many students are in the class? $8+11=x$ $x-11=8$	The 19 first graders voted on a recess activity. 8 students voted to go to the playground. How many wanted to play four square? $11+x=19$ $x=19-11$		The 19 first graders voted on a recess activity. Some wanted to play four square. Some wanted to go to the playground. What are some ways the first graders could have voted? $x+y=19$ $19-x=y$
	Difference Unknown	**Greater Quantity Unknown**	**Lesser Quantity Unknown**	
Additive Comparison	Jessie's paper airplane flew 14 feet. Jo's paper airplane flew 9 feet. How much less did Jo's paper airplane fly than Jessie's? $14-9=x$ $9+x=14$	Jo's paper airplane flew 9 feet. Jessie's paper airplane flew 5 feet more than Jo's. How far did Jessie's paper airplane fly? $9+5=x$ $x-5=9$	Jessie's paper airplane flew 14 feet. Jo's paper airplane flew 5 feet less than Jessie's paper airplane. How far did Jo's paper airplane fly? $14-5=x$ $14=x+5$	

Table References

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