## Table 1 Common addition and subtraction situations<sup>1</sup>

	Result Unknown	Change Unknown	Start Unknown
Add to	Two bunnies sat on the grass. Three more	Two bunnies were sitting on the grass. Some	Some bunnies were sitting on the grass. Three more
	bunnies hopped there. How many bunnies	more bunnies hopped there. Then there were	bunnies hopped there. Then there were five
	are on the grass now?	five bunnies. How many bunnies hopped over	bunnies. How many bunnies were on the grass
	2 + 3 = ?	to the first two?	before?
		2 + ? = 5	? + 3 = 5
	(К)	(1 <sup>st</sup> )	One-Step Problem (2 <sup>nd</sup> )
Take from	Five apples were on the table. I ate two	Five apples were on the table. I ate some	Some apples were on the table. I ate two apples.
	apples. How many apples are on the table	apples. Then there were three apples. How	Then there were three apples. How many apples
	now?	many apples did I eat?	were on the table before? $? - 2 = 3$
	5 – 2 = ?	5 - ? = 3	
	(К)	(1 <sup>st</sup> )	One-Step Problem (2 <sup>nd</sup> )
	Total Unknown	Addend Unknown	Both Addends Unknown <sup>2</sup>
	Three red apples and two green apples are on	Five apples are on the table. Three are red	Grandma has five flowers. How many can she put in
	the table. How many apples are on the table?	and the rest are green. How many apples are	her red vase and how many in her blue vase?
Put Together/	3 + 2 = ?	green?	5 = 0 + 5, 5 = 5 + 0
Take Apart <sup>3</sup>		3 + ? = 5, 5 - 3 = ?	5 = 1 + 4, 5 = 4 + 1
			5 = 2 + 3, 5 = 3 + 2
	(К)	(К)	(1 <sup>st</sup> )
	Difference Unknown	Bigger Unknown	Smaller Unknown
	("How many more?" version):	(Version with "more"):	(Version with "more"):
	("How many more?" version): Lucy has two apples. Julie has five apples.	(Version with "more"): Julie has three more apples than Lucy. Lucy	(Version with "more"): Julie has 3 more apples than Lucy. Julie has five
	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie	(Version with "more"):
	("How many more?" version): Lucy has two apples. Julie has five apples.	(Version with "more"): Julie has three more apples than Lucy. Lucy	(Version with "more"): Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have?
	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than Lucy?	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie have?	(Version with "more"): Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have? 5-3=? $?+3=5$
Compare <sup>4</sup>	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie	(Version with "more"): Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have?
Compare <sup>4</sup>	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than Lucy? (1 <sup>st</sup> ) ("How many fewer?" version):	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie have? One-Step Problem (1 <sup>st</sup> ) (Version with "fewer"):	(Version with "more"):Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have? $5-3=?$ $2+3=5$ One-Step Problem(Version with "fewer"):
Compare <sup>4</sup>	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than Lucy? (1 <sup>st</sup> ) ("How many fewer?" version): Lucy has two apples. Julie has five apples.	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie have? One-Step Problem (1 <sup>st</sup> ) (Version with "fewer"): Lucy has 3 fewer apples than Julie. Lucy has	(Version with "more"): Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have? 5-3=? ? + 3 = 5 <b>One-Step Problem</b> (2 <sup>nd</sup> )
Compare <sup>4</sup>	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than Lucy? (1 <sup>st</sup> ) ("How many fewer?" version):	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie have? One-Step Problem (1 <sup>st</sup> ) (Version with "fewer"):	(Version with "more"):Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have? $5-3=?$ $2+3=5$ One-Step Problem(Version with "fewer"):
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<b>Compare</b> <sup>4</sup>	("How many more?" version): Lucy has two apples. Julie has five apples. How many more apples does Julie have than Lucy? ("How many fewer?" version): Lucy has two apples. Julie has five apples. How many fewer apples does Lucy have than	(Version with "more"): Julie has three more apples than Lucy. Lucy has two apples. How many apples does Julie have? One-Step Problem (1 <sup>st</sup> ) (Version with "fewer"): Lucy has 3 fewer apples than Julie. Lucy has two apples. How many apples does Julie	(Version with "more"):Julie has 3 more apples than Lucy. Julie has five apples. How many apples does Lucy have? $5-3=?$ $2+3=5$ One-Step Problem(Version with "fewer"):Lucy has three fewer apples than Julie. Julie has five

**K**: Problem types to be mastered by the end of the Kindergarten year.

**1st**: Problem types to be mastered by the end of the First Grade year, including problem types from the previous year(s). However, First Grade students should have experiences with all 12 problem types.

**2nd**: Problem types to be mastered by the end of the Second Grade year, including problem types from the previous year(s).