





[illegible]

Building off Past Mathematics:

In kindergarten your child used objects, drawings, and equations to develop an understanding of addition and subtraction within 10. The chart below provides an example of the types of problems your child solved last year along with common ways they may have represented solving the problems.

Type of Problem	Example
Add To Result Unknown	<p>Justin had six toy cars. His brother gave him three more. How many toy cars does Justin have now?</p> 
Take From Result Unknown	<p>Ten birds were in a tree. Five flew away. How many are in the tree now?</p> 
Put Together/Take Apart Total Unknown	<p>Mackenzie put five black seashells and five white seashells in a bucket. How many seashells are in the bucket?</p> 
Put Together/Take Apart Both Addends Unknown	<p>Chris has seven muffins. Some are blueberry and some are chocolate chip. How many of each could he have?</p> 

Strategies Students will Learn:

Throughout the unit, your child will use his/her understanding of the actions of addition (putting together/adding to) and subtraction (taking apart/taking from) to choose the operation that makes when solving different types of story problems. Rather than focus on key words to develop this understanding, your child will spend ample time:

- acting out problems with classmates
- using objects or counters to model what is happening in story problems
- retelling stories in his/her own words
- drawing pictures to show what is happening, and
- writing equations that connect to what is happening in story problems.

Your child will also become familiar with the meaning of the equal sign and with showing unknowns in various places in equations using symbols.

Ideas for Home Support:

Skillful problem solvers think about a plan before jumping into a solution and do not give up if they get stuck. Help your child make sense of problems and persevere in solving them by asking the following questions while they are working to extend their thinking:



- What is happening?
- What are you going to do first?
- How are you going to solve the problem?
- What equation connects to what is happening in the problem?
- Does your answer make sense? How do you know?
- Is there another way you can solve the problem?

Reading stories that show addition and subtraction is a great way to enhance learning. As you read aloud with your child, have him/her solve or write problems about the story/characters.

- *Animals on Board* by Stuart J. Murphy
- *Jack the Builder* by Stuart J. Murphy
- *Ready, Set, Hop!* by Stuart J. Murphy
- *Safari Park* by Stuart J. Murphy

Thank you for serving as partners in your child's success as a mathematician!

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