

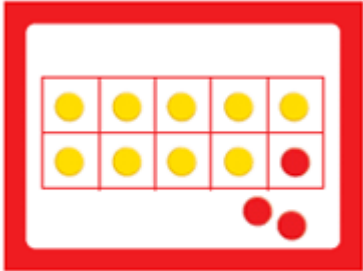
Mathematics Family Letter, Unit: 7  
Addition and Subtraction to 18 and  
Fact Families

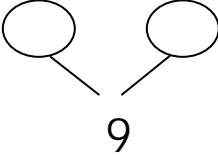


Dear Family,

Our class is starting a new unit in math called: Addition and Subtraction to 18. In this unit students will focus on composing/decomposing numbers with two or three addends, learning addition/subtraction fact strategies, solving addition and subtraction problems with fluency, and exploring relationships between addition and subtraction problems through fact families.

Throughout this unit students will:

Benchmarks/Goals	Examples
Find at least five 2-addend combinations up to 18.	$\underline{15}$ $7 + 8 = 15$ $1 + 14 = 15$ $10 + 5 = 15$ $6 + 9 = 15$ $3 + 12 = 15$
Recognize doubles as a strategy.	$1 + 1 = 2$ $2 + 2 = 4$ $3 + 3 = 6$ $4 + 4 = 8$ $5 + 5 = 10$ <p style="text-align: center;">and so on ...</p>
Use doubles facts to learn doubles + 1 facts and doubles - 1 facts.	$5 + 5 = 10$ $5 + 6 = 11 \quad 5 + 4 = 9$
Find sums by making a 10 when adding.	<div style="text-align: center;">  </div> $9 + 3 = 10 + 2 = 12$

Find sums of three numbers.	$3 + 6 + 4 = \underline{13}$ 
Interpret (retell the action and sequence) and solve addition and subtraction story problems.	<p>Max had 17 library books at home. He went to the library and returned 9 of them. How many more library books did he still have at home?</p> <p>What is happening in this problem? Does Max have more books at the beginning or at the end of the problem? Solve the problem.</p>
Write related addition and subtraction facts using fact families.	$\begin{array}{ccc} & \underline{3, 4, 7} & \\ 3 + 4 = 7 & 4 + 3 = 7 & \\ 7 - 3 = 4 & 7 - 4 = 3 & \end{array}$

### Related Activities to Try at Home

The activities below are related to the mathematics in this unit. Doing them at home together with your child can enrich your child's mathematical learning.

#### Tens Go Fish

The object of the game is to find pairs of number cards that equal 10. Using Primary Number Cards 0–10, deal out 5 cards to each player. Leave the rest in a pile. If you can make 10 with 2 of your cards, put those cards aside and draw 2 more. Then take turns asking each other for a card. For example, if you have a 3, you might ask your child, "Do you have a 7?" If you get a 7, make a pair and put them down. Then draw a card from the deck. If your child does not give you a 7, "go fish" and draw the top card from the deck. Your turn ends when you cannot make a 10. (We will also be playing this game in school so your child may be able to teach you.)

### **How Many Am I Hiding?**

Lay out 10 small objects and ask your child to count them. Then, while your child covers his or her eyes, hide some of the objects. Show your child the objects that are not hidden and ask, "How many am I hiding?" Encourage your child to explain her or his thinking. After playing a few rounds, you can change the total number (from 6 to 12 total) and start again.

### **Telling and Solving Story Problems**

Look for addition and subtraction situations at home. For example, say, "If we have 4 apples, 8 bananas, and 7 plums in the fruit bowl, how many pieces of fruit do we have?" or "If you have 20 pennies and you spend 15 pennies, how many do you have left?" "We have 8 people coming for dinner. We have only 6 chairs. How many more do we need?" Encourage your child to make up story problems for you too!

## **Math and Literature**

You can find the following books in your local library and read them together.

Bogart, Jo Ellen. Ten for Dinner

Carle, Eric. Rooster's Off to See the World

Crews, Donald. Ten Black Dots (English/Spanish)

Duke, Kate. Twenty is Too Many

Falwell, Cathryn. Feast for Ten

Grossman, Bill. My Little Sister Ate One Hare

Jonas, Ann. Splash

Murphy, Stuart J. Animals on Board

Sturges, Philemon. Ten Flashing Fireflies

Tang, Greg. Math Appeal

Walton, Rick. One More Bunny: Adding From One to Ten

Sincerely,  
The First Grade Team