

# LETTER HOME

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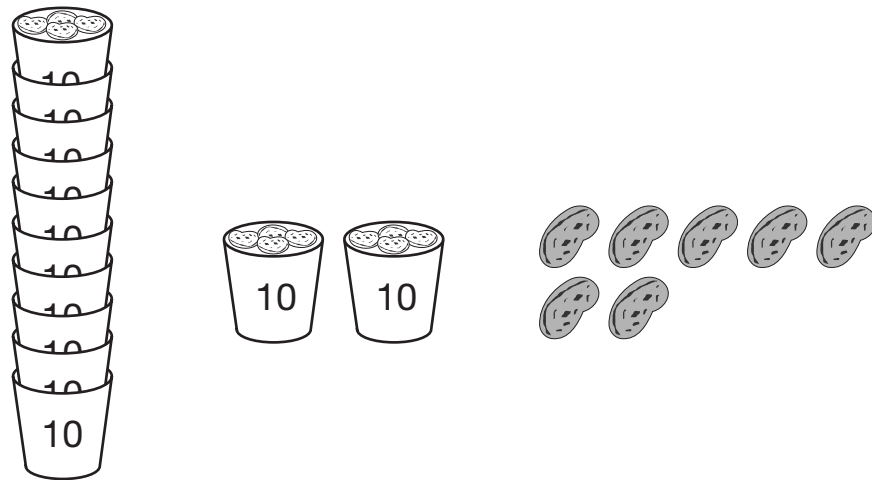
## To 100 and Beyond

Dear Family Member:

This unit focuses on developing number sense for larger numbers, including numbers greater than 100. Your child will estimate the size of collections of classroom objects and then group and count them. He or she will also use different manipulatives to represent two- and three-digit numbers and extend familiar mental math strategies for adding ones ( $4 + 2$ ) and tens ( $40 + 20$ ) to adding multiples of 100 ( $400 + 200$ ).

You can provide additional support at home by doing some of the following activities:

- **Discuss Strategies.** When your child brings problems home during this unit, ask him or her to explain strategies he or she used. Being able to explain the problem-solving method is as important as the answer itself.
- **Snacks Count.** Show your child a small or mid-sized package of popcorn, chips, nuts, raisins, or other snack food. Ask him or her to estimate the number of items and how to group and count the number in the package. If possible, have your child demonstrate this counting method.



Group 127 beans by hundreds, tens, and ones.

## Math Facts and Mental Math

**Addition Facts with Sums to Ten for Groups A–D.** This unit assesses students' fluency with the addition facts with sums to ten in Groups A–D:

Group A:  $0 + 1, 1 + 1, 2 + 1, 3 + 1, 0 + 2, 2 + 2, 3 + 2, 4 + 2$

Group B:  $3 + 0, 4 + 0, 4 + 1, 5 + 1, 6 + 1, 5 + 2, 6 + 2, 5 + 3, 7 + 1, 1 + 8$

Group C:  $1 + 9, 2 + 7, 2 + 8, 3 + 6, 3 + 7, 4 + 6, 5 + 5$

Group D:  $3 + 3, 3 + 4, 4 + 4, 4 + 5$

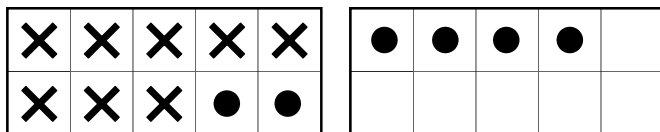
You can help your child review these facts using the flash cards the teacher sent home or by making a set of flash cards from index cards or scrap paper. Study the facts in small groups each night. As your child goes through the flash cards, put the cards in three stacks: Facts I Know Quickly, Facts I Can Figure Out, and Facts I Need to Learn.

For Facts I Need to Learn, work on strategies for figuring them out.

For Facts I Can Figure Out, use the flash cards to practice the facts for fluency.

For Facts I Know Quickly, help your child use strategies to solve problems like these using mental math:  $50 + 10, 30 + 70, 40 + 40, 200 + 100$

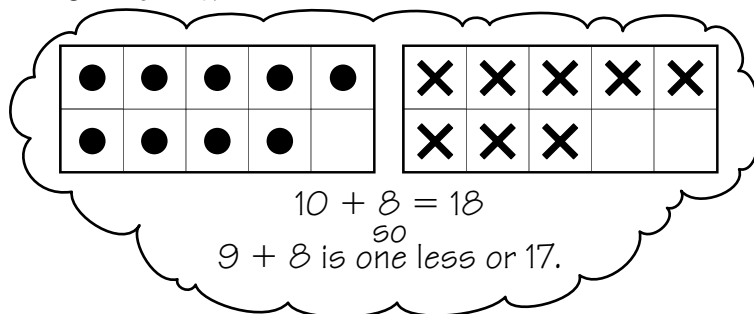
**Addition Facts with Sums More Than Ten.** This unit also continues the development of the addition facts and related subtraction facts in Group F:  $8 + 6, 9 + 6, 9 + 7, 10 + 4, 10 + 5, 10 + 6, 10 + 7, 10 + 8, 9 + 8, 9 + 9$ . As you practice these facts at home, encourage your child to use strategies to figure them out. Good strategies for facts in Group F are making ten and using ten. For example,  $8 + 6 = (8 + 2) + 4$ , and  $10 + 4 = 14$ .



$$8 + 6 = 8 + 2 + 4 = (8 + 2) + 4 = 10 + 4 = 14$$

Making ten to solve  $8 + 6$

$$9 + 8 = 17$$



Using ten to solve  $9 + 8$

To solve related subtraction facts, think addition. For example, for  $14 - 8$ , think 8 plus what number equals 14? Since  $8 + 6 = 14$ ,  $14 - 8 = 6$ .

**Fact Families for Addition Facts.** Prompt your child to write the number sentences that are in each fact family for facts in Group F.

Sincerely,