

# Change Number Stories

**Family Note**

Your child has learned about a device called a “change diagram” shown in the example below. Diagrams like this can help your child organize the information in a problem. When the information is organized, it is easier to decide which operation (+, −, ×, ÷) to use to solve the problem. Change diagrams are used to represent problems in which a starting quantity is increased or decreased. For the number stories on this Home Link, the starting quantity is always increased.

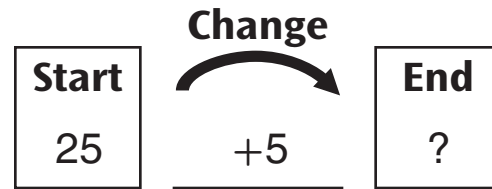
Please return the **second page** of this Home Link to school tomorrow.



Do the following for each number story on the next page:

- ◆ Write the numbers you know in the change diagram.
- ◆ Write “?” for the number you need to find.
- ◆ Answer the question.
- ◆ Write a number model.

**Example:** Twenty-five children are riding on a bus.  
At the next stop, 5 more children get on.  
How many children are on the bus now?



The starting number of children has been increased.

Answer: There are 30 children on the bus now.

Possible number model:  $25 + 5 = 30$

**HOME LINK**  
**4•1**

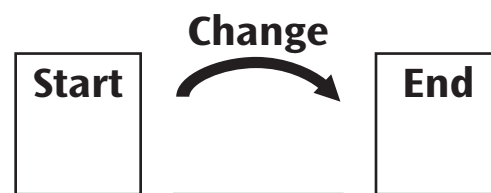
# Change Number Stories *continued*



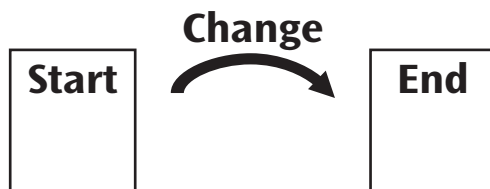
- 1.** Becky ate 11 grapes.  
 Later in the day she ate  
 7 more grapes.  
 How many grapes did she  
 eat in all? \_\_\_\_ grapes


 Number model:  
 \_\_\_\_\_

- 2.** Bob has 30 baseball cards.  
 He buys 8 more.  
 How many baseball  
 cards does Bob  
 have now? \_\_\_\_ cards


 Number model:  
 \_\_\_\_\_

- 3.** A large fish weighs  
 42 pounds.  
 A small fish weighs  
 10 pounds.  
 The large fish swallows the  
 small fish.  
 How much does the large  
 fish weigh now? \_\_\_\_ pounds


 Number model:  
 \_\_\_\_\_

## Practice

Add or subtract.

**4.**  $20 + 7 = \underline{\quad}$

**5.**  $\underline{\quad} = 40 + 40$

**6.**  $3 + 80 = \underline{\quad}$

**7.**  $30 - 20 = \underline{\quad}$

**8.**  $47 - 30 = \underline{\quad}$

**9.**  $50 + 20 = \underline{\quad}$

**10.**  $\underline{\quad} = 90 - 60$

**11.**  $86 - 20 = \underline{\quad}$

**12.**  $\underline{\quad} = 83 - 3$