

Home Link 8-2 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 (+, -, X, ÷) 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.

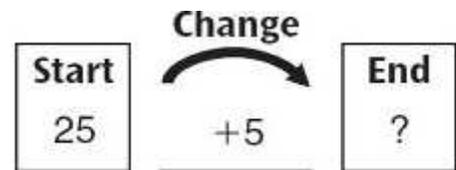
At the next stop, 5 more children get on.

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.

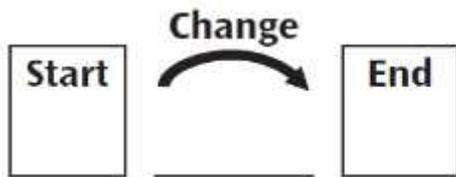
Possible number model: $25 + 5 = 30$



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1. Becky ate 11 grapes. Later in the day she ate 7 more grapes.

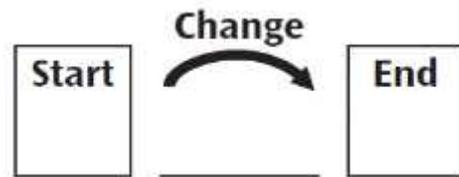
How many grapes did she eat in all?
_____ grapes



Number model:

2. Bob has 30 baseball cards. He buys 8 more.

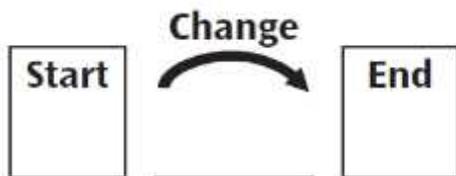
How many baseball cards does Bob have now? _____ cards



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. $20 + 7 =$ _____
5. _____ $= 40 + 40$
6. $3 + 80 =$ _____
7. $30 - 20 =$ _____
8. $47 - 30 =$ _____
9. $50 + 20 =$ _____
10. _____ $= 90 - 60$
11. $86 - 20 =$ _____
12. _____ $= 83 - 3$