Comparison Number Stories

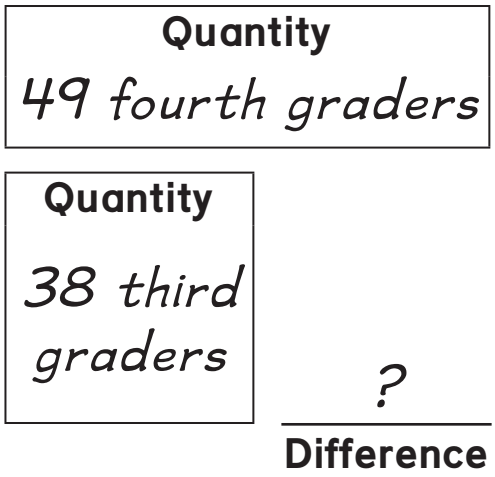
Home Link 6-2

NAME DATE

Family Note

Today your child learned to use comparison diagrams. These diagrams help your child organize the information in a number story. When the information is organized, it is easier to decide whether to add or subtract to solve a problem.

Children use comparison diagrams to represent problems in which two quantities are compared. Sometimes children find the difference between the two quantities (as in Example 1 below). In other problems the difference is known, and children find one of the quantities (as in Example 2 below).

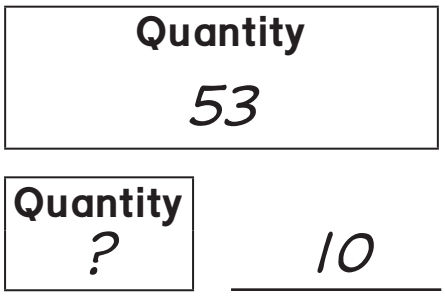


Example 1: There are 49 fourth graders and 38 third graders. How many more fourth graders are there than third graders?

Note that the number of fourth graders is being compared with the number of third graders.

- *Possible number models:* Children who think of the problem in terms of subtraction will write 49 − 38 = ? Other children may think of the problem in terms of addition: "Which number added to 38 will give me 49?" They will write the number model as 38 + ? = 49.
- *Answer:* There are 11 more fourth graders than third graders.

Example 2: There are 53 second graders. There are 10 more second graders than first graders. How many first graders are there?



Note that the difference is known, and one of the two quantities is unknown.

- *Possible number models:* 53 − ? = 10 or 10 + ? = 53
- *Answer:* There are 43 first graders.

For Problems 1–2 on the next page, ask your child to explain the number models he or she wrote.

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

Comparison Number Stories (continued)

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For each number story, follow these steps:

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- Write the numbers you know in the comparison diagram. Use ? for the number you need to find.
- Write a number model. Use ? for the number you don't know.
- Solve the problem and answer the question.

① Rosa has $29. Omeida has $10.

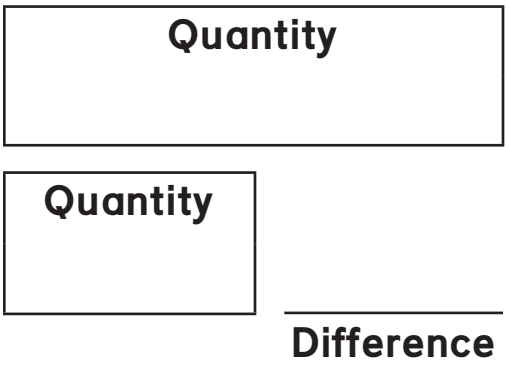
Who has more money? _____

How much more?

Number model:

_____

Rosa has $_____ more than Omeida.



② Omar ran 15 miles. Omar ran 8 more miles than Anthony.

How many miles did Anthony run?

Number model:

_____

Anthony ran _____ miles.