

Parts-and-Total Number Stories

Home Link 5-9

NAME

DATE

Family Note

Your child has learned how to represent and solve problems by using parts-and-total diagrams. Parts-and-total diagrams are used to organize the information in problems in which two or more quantities (parts) are combined to form a total quantity.

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



Large suitcase
45 pounds



Small suitcase
30 pounds



Backpack
17 pounds



Package
15 pounds

Use the weights shown in the pictures above to do the following for each number story on the next page:

- Write the numbers you know in a parts-and-total diagram.
- Write ? for the number you need to find.
- Write a number model. Use ? for the number you need to find.
- Answer the question.

Example: You carry the small suitcase and the package. How many pounds do you carry in all?

The parts are known. The total is to be found.

Possible number model: $30 + 15 = ?$

Answer: 45 pounds

Total	
?	
Part	Part
30	15

Parts-and-Total Number Stories

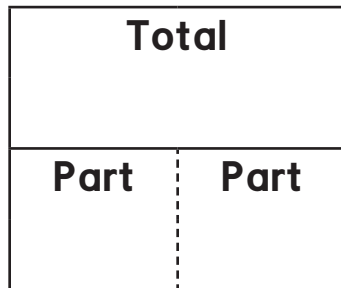
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Home Link 5-9

NAME _____

DATE _____

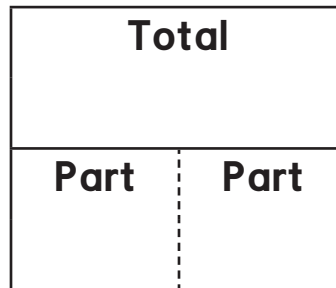
- ① You wear the backpack and carry the small suitcase. How many pounds do you carry in all?



Number model: _____

Answer: _____ pounds

- ② You carry the large suitcase and the small suitcase. How many pounds do you carry in all?



Number model: _____

Answer: _____ pounds

- ③ You wear the backpack and carry the package. How many pounds do you carry in all?

Draw your own parts-and-total diagram:

Number model: _____

Answer: _____ pounds