

CHAPTER  
4

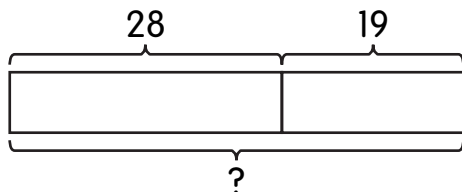
# Using Bar Models: Addition and Subtraction

## Lesson 1 Using Part-Part-Whole in Addition and Subtraction

**Solve.**

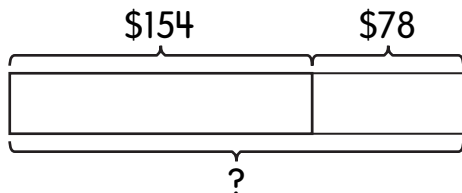
**Use the bar models to help you.**

1. There are 28 boys and 19 girls in a class.  
How many students are there in all?



There are \_\_\_\_\_ students in all.

2. Mrs. Marie gives \$154 to Chantel.  
She gives \$78 to David.  
How much money does Mrs. Marie give in all?



Mrs. Marie gives \$\_\_\_\_\_ in all.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Draw bar models to help you.**

- 3.** Mrs. Diaz buys 21 balloons for a birthday party.  
On the way home, 3 balloons burst.  
How many balloons does Mrs. Diaz have now?

Mrs. Diaz has \_\_\_\_\_ balloons now.

- 4.** Jaime has 500 red beads and blue beads in all.  
She has 238 red beads.  
How many blue beads does Jaime have?

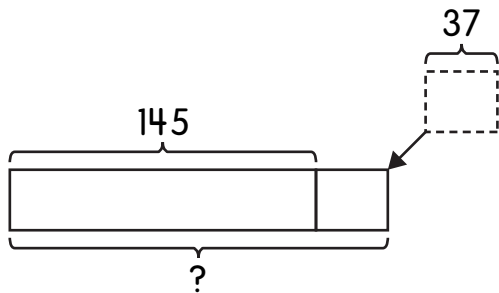
Jaime has \_\_\_\_\_ blue beads.

## Lesson 2 Adding On and Taking Away Sets

**Solve.**

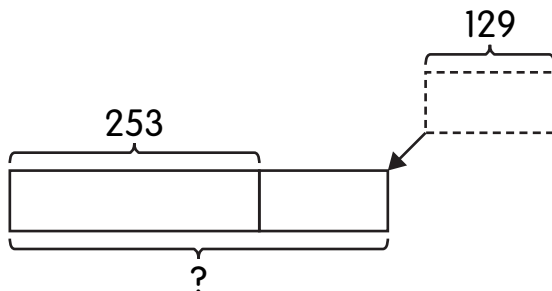
**Use the bar models to help you.**

1. Ella has 145 marbles.  
Her mother gives her 37 more.  
How many marbles does Ella have in all?



Ella has \_\_\_\_\_ marbles in all.

2. The school hall has 253 chairs in it.  
129 new chairs are added to the hall.  
How many chairs are there in all?



There are \_\_\_\_\_ chairs in all.

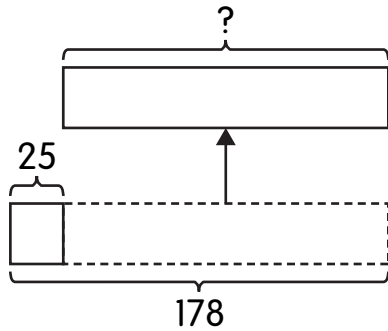
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**Solve.**

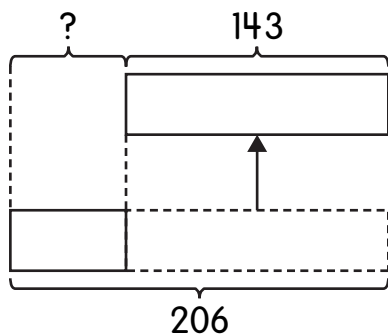
**Use the bar models to help you.**

- 3.** Leena has 178 crayons.  
Leena gives her sister some and has 25 crayons left.  
How many crayons did Leena give her sister?



Leena gave her sister \_\_\_\_\_ crayons.

- 4.** A baker has 206 muffins.  
He sells 143 muffins.  
How many muffins does the baker have left?



The baker has \_\_\_\_\_ muffins left.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Draw bar models to help you.**

- 5.** Pedro has 48 basketball trading cards.  
Joe gives him 18 more.  
How many basketball trading cards does Pedro have in all?

Pedro has \_\_\_\_\_ basketball trading cards in all.

- 6.** Keisha has 15 stickers.  
She buys another 14 stickers.  
How many stickers does Keisha have in all?

Keisha has \_\_\_\_\_ stickers in all.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Draw bar models to help you.**

7. Anna has 68 flowers.  
She uses 56 flowers to make a garland.  
How many flowers does Anna have now?

She has \_\_\_\_\_ flowers now.

8. There are 210 people in the theater.  
Before the show begins, 162 more people  
come into the theater.  
How many people are there in the theater now?

There are \_\_\_\_\_ people in the theater now.

Name: \_\_\_\_\_

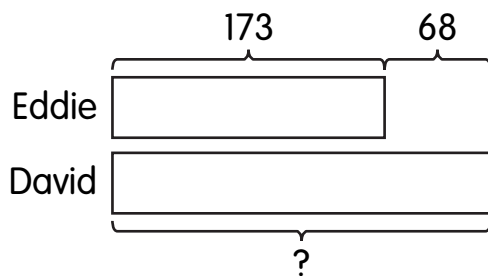
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## Lesson 3 Comparing Two Sets

Solve.

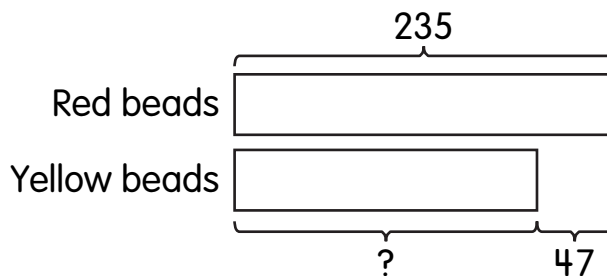
Use the bar models to help you.

1. Eddie has 173 stamps.  
David has 68 more stamps than Eddie.  
How many stamps does David have?



David has \_\_\_\_\_ stamps.

2. Susie has 235 red beads.  
She needs 47 fewer yellow beads than red beads  
to make a necklace.  
How many yellow beads does Susie need?



Susie needs \_\_\_\_\_ yellow beads.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Draw bar models to help you.**

- 3.** Daniel sells tickets to the fair to raise money.  
He sells 86 tickets on Monday.  
He sells 54 more tickets on Tuesday than on Monday.  
How many tickets does Daniel sell on Tuesday?

Daniel sells \_\_\_\_\_ tickets on Tuesday.

- 4.** Ali scores 345 points in a card game.  
Farid scores 89 points less than Ali.  
How many points does Farid score?

Farid scores \_\_\_\_\_ points.



Name: \_\_\_\_\_

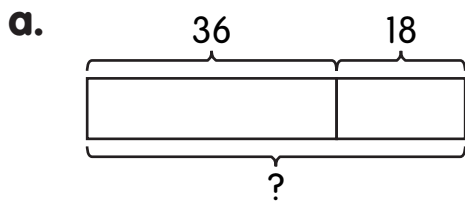
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# Lesson 4 Real-World Problems: Two-Step Problems

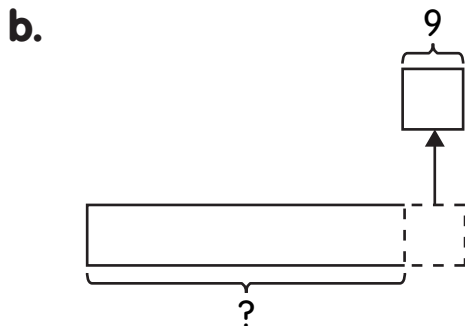
**Solve.**

**Use the bar models to help you.**

1. There are 36 sparrows and 18 crows on a tree.  
9 birds fly away.
- a. How many birds were there at first?
  - b. How many birds are left?



There were \_\_\_\_\_ birds at first.



There are \_\_\_\_\_ birds left.

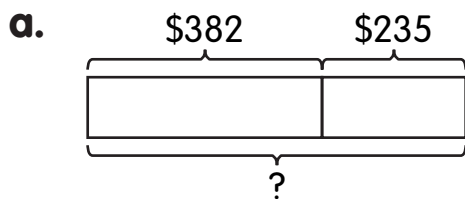
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Date: \_\_\_\_\_

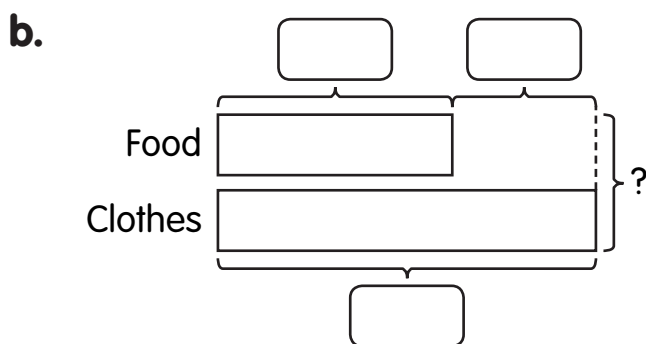
**Solve.**

**Use the bar models to help you.**

- 2.** Ivan spends \$382 on food.  
He spends \$235 more on clothes than he does on food.
- a.** How much does Ivan spend on clothes?
  - b.** How much does Ivan spend in all?



Ivan spends \$\_\_\_\_\_ on clothes.



Ivan spends \$\_\_\_\_\_ in all.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Draw bar models to help you.**

- 3.** Peter had 268 marbles.  
He put 128 red marbles in Box A.  
He put 76 blue marbles in Box B.  
Peter gave the remaining marbles to Jack.  
How many marbles did Peter give Jack?

First, find the total number of marbles in both the boxes.



Peter gave \_\_\_\_\_ marbles to Jack.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Draw bar models to help you.**

4. Joel collects 286 stamps.  
His brother James gives him 78 more stamps.  
After that, Joel has 172 U.S. stamps.  
The rest are stamps from Spain.  
How many stamps from Spain does Joel have?

First, find out  
how many stamps  
Joel has in all.



Joel has \_\_\_\_\_ stamps from Spain.

Name: \_\_\_\_\_

Date: \_\_\_\_\_



## Put on Your Thinking Cap!

**Solve.**

**Draw bar models to help you.**

1. Ally has 5 crayons.  
Mike has 3 fewer crayons than Ally.  
Danny has 1 more crayon than Mike and Ally have in all.  
How many crayons do Danny, Ally, and Mike have in all?

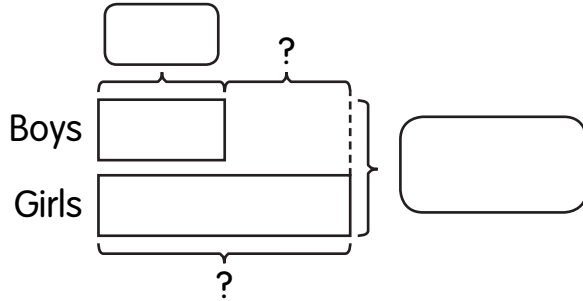
They have \_\_\_\_\_ crayons in all.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Solve.

2. Sam has 21 students in his class.  
7 of the students are boys.



Read the sentences below.  
Put a check (✓) in the box  
next to the correct sentences.

- a. There are 7 more girls than boys.
- b. There are more boys than girls.
- c. There are 14 more girls than boys.
- d. If 5 more boys join the class, there will be 2 more girls than boys in the class.