Unit 6 · Word Problems within 100 Cheat Sheet

Unit 6 focus: add-to, take-from, put-together and take-apart stories

1 Big Idea

Read the story and decide what is known and what is unknown. Draw a bar model, then write an equation with ? for the unknown.

2 Important Vocabulary

add to	A story where more is joined to a group.	Ana had 25 shells and found 12 more
take from	A story where some are taken away.	There were 40 birds and 15 flew away
put together	A story with two parts that make a whole.	18 red and 24 blue apples
unknown	The number you need to find. Use ? or a box.	25 + ? = 40

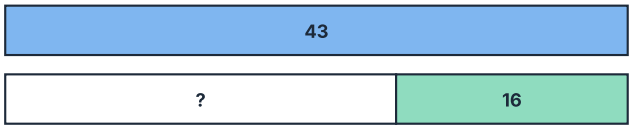
3 How It Works

Mia had some beads. She bought 16 more. Now she has 43. How many did she have at first?

Example: ? + 16 = 43
Unknown start: ? + 16 = 43
Think: 43 − 16 = 27

Answer: 27 beads

4 Visual Model



The whole is 43. One part is 16. The start is 43 − 16 = 27.

5 ★ Remember This · Watch Out!

★ Remember this

- Put the whole on top of the bar model.
- Check: does the answer make sense in the story?

⚠ Watch out!

- **Key words:** “gave” does not always mean subtract
- **Adding the whole and a part:** if a part is unknown, subtract

6 Try It!

1. 55 cards. 28 are red. How many are blue?
   Answer: sɹɐɔ ʎ7
2. Ted had 40¢. He spent some. Now he has 14¢. How much did he spend?
   Answer: ¢97

Answers are printed upside down. Turn the page to check!

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More practice: compare stories and two-step problems

1 Big Idea

Compare stories ask how many more or how many fewer. Two-step stories need one answer to find the next.

2 Important Vocabulary

compare	A story about how many more or how many fewer.	Ben has 12 more than Ana
bar model	Bars that show the parts and the whole.	a bar for 40 split into 25 and ?
two-step problem	A problem that needs two steps to solve.	add, then subtract
take apart	A story where a whole is split into parts.	60 children, 35 are girls, how many boys?

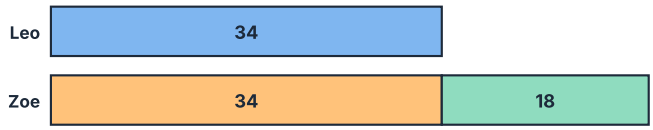
3 How It Works

Leo has 34 stamps. Zoe has 18 more than Leo. How many do they have together?

Example: two steps
Zoe: 34 + 18 = 52
Together: 34 + 52 = 86

Answer: 86 stamps

4 Visual Model



Zoe's bar is Leo's bar and 18 more.

5 ★ Remember This · Watch Out!

★ Remember this

- How many more = bigger − smaller.
- Write one equation for each step.

⚠ Watch out!

- **Doing only one step:** ask: did I answer the question?
- **"Fewer" stories:** Ana has 9 fewer than Ben (50): Ana has 41

6 Try It!

1. Ana read 62 pages. Ben read 45. How many more did Ana read?
   Answer: ɹǝqɯnu 17
2. 30 on the bus, 14 get on, 8 get off.
   Answer: 36

Answers are printed upside down. Turn the page to check!