Unit 1 · Addition and Subtraction within 20 Cheat Sheet

Unit 1 focus: adding within 20 with make-a-ten and doubles

1 Big Idea

Use what you know to add fast. Make a ten, or use a double you already know.

2 Important Vocabulary

sum	The answer when you add.	8 + 5 = 13, so 13 is the sum
addend	A number that is added.	In 8 + 5, the addends are 8 and 5
make a ten	Break apart a number to make 10 first.	8 + 5 = 8 + 2 + 3 = 10 + 3
doubles plus one	A double and 1 more.	6 + 7 = 6 + 6 + 1 = 13

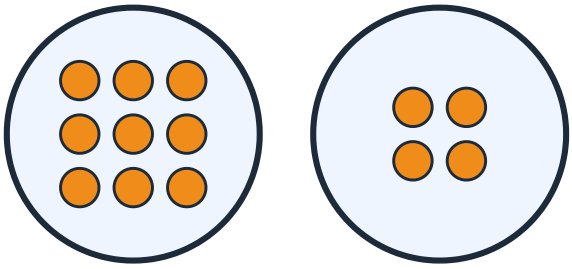
3 How It Works

Add 8 + 7 by making a ten.

Example: 8 + 7
Break 7 into 2 and 5
8 + 2 = 10
10 + 5 = 15

Answer: 15

4 Visual Model



9 + 4: move 1 dot to make 10. Then 10 + 3 = 13.

5 ★ Remember This · Watch Out!

★ Remember this

- Count on from the bigger number.
- Doubles: 5 + 5 = 10, 6 + 6 = 12, 7 + 7 = 14, 8 + 8 = 16, 9 + 9 = 18.

⚠ Watch out!

- **Counting the start number:** 8 + 3: say 9, 10, 11 (not 8, 9, 10)
- **Forgetting the second part:** after making ten, add what is left

6 Try It!

1. 9 + 5
   Answer: 14
2. 6 + 7
   Answer: 13

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

Unit 1 · Addition and Subtraction within 20 Cheat Sheet

More practice: subtracting by thinking addition, fact families and missing numbers

1 Big Idea

Addition and subtraction are related. Use an addition fact to subtract, and use the equal sign to mean “is the same as.”

2 Important Vocabulary

difference	The answer when you subtract.	13 − 5 = 8, so 8 is the difference
fact family	Facts that use the same three numbers.	8 + 5 = 13, 5 + 8 = 13, 13 − 5 = 8, 13 − 8 = 5
think addition	Use an addition fact to subtract.	14 − 6: 6 + 8 = 14, so 8
equal sign	Means “is the same as.”	9 + 4 = 10 + 3

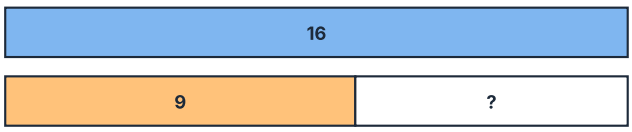
3 How It Works

Find 16 − 9 by thinking addition.

Example: 9 + ? = 16
Think: 9 + 7 = 16
So 16 − 9 = 7

Answer: 7

4 Visual Model



The whole is 16. One part is 9. The other part is 7.

5 ★ Remember This · Watch Out!

★ Remember this

- The whole goes first in a subtraction fact.
- Check: the parts add up to the whole.

⚠ Watch out!

- **7 + ___ = 15 → 22:** the equal sign is not “write the answer”. 7 + 8 = 15.
- **15 − 7 → 12:** do not subtract the ones digits: 15 − 7 = 8

6 Try It!

1. 14 − 6
   Answer: 8
2. 5 + ___ = 13
   Answer: 8

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