Unit 3 · Addition and Subtraction within 20 Cheat Sheet

Unit 3 focus: adding within 20 with make-a-ten, doubles and three addends

1 BIG IDEA

Use a strategy to add fast: make a ten, use a double, or add in any order.

2 IMPORTANT VOCABULARY

make a ten	Break a number apart to fill a ten first.	8 + 5 = 8 + 2 + 3 = 13
doubles	Adding a number to itself.	6 + 6 = 12
near doubles	A double plus or minus 1.	6 + 7 = 6 + 6 + 1 = 13
any order	Addends can switch places. The sum stays the same.	3 + 9 = 9 + 3

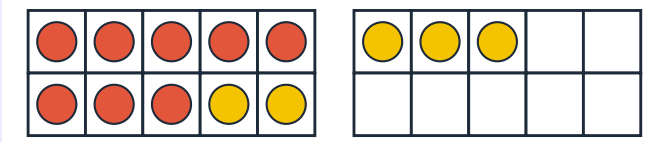
3 HOW IT WORKS

Add 8 + 5 by making a ten.

Example: 8 + 5
Break 5 into 2 and 3
8 + 2 = 10
10 + 3 = 13

Answer: 13

4 VISUAL MODEL



Fill the first ten frame, then count the rest: 10 + 3 = 13.

5 ★ REMEMBER THIS · WATCH OUT!

★ Remember this

- Doubles: 6 + 6 = 12, 7 + 7 = 14, 8 + 8 = 16, 9 + 9 = 18.
- With three numbers, add two that make 10 first.

⚠ Watch out!

- **Forgetting the rest:** after making 10, add what is left
- **Leaving out an addend:** add all three numbers

6 TRY IT!

1. 9 + 7

   Answer: 16

2. 3 + 5 + 7

   Answer: 15

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

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More practice: subtracting within 20 and related facts

1 BIG IDEA

Subtraction undoes addition. Use an addition fact you know to subtract.

2 IMPORTANT VOCABULARY

fact family	Facts that use the same three numbers.	6 + 8 = 14, 8 + 6 = 14, 14 − 6 = 8, 14 − 8 = 6
related facts	An addition fact and a subtraction fact that go together.	9 + 4 = 13 and 13 − 4 = 9
teen number	A number from 11 to 19.	15 is 10 and 5
addend	A number that is added.	In 8 + 5, the addends are 8 and 5

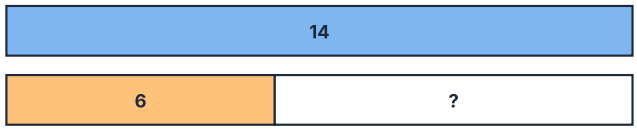
3 HOW IT WORKS

Find 14 − 6 by thinking addition.

Example: 6 + ? = 14
Think: 6 + 8 = 14
So 14 − 6 = 8

Answer: 8

4 VISUAL MODEL



The whole is 14. One part is 6. The other part is 8.

5 ★ REMEMBER THIS · WATCH OUT!

★ Remember this

- In subtraction, the whole comes first.
- Go back to 10: 13 − 5 = 13 − 3 − 2 = 8.

⚠ Watch out!

- **14 − 6 → 12:** do not take 4 from 6. 14 − 6 = 8.
- **6 − 14:** write the whole first: 14 − 6

6 TRY IT!

1. 16 − 9
   Answer: ∠
2. 12 − 5
   Answer: ∠

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