

1 Warm-up: ± 10 and ± 100

2-min Fluency Warm-up — Mental math.

$700 - 100 = \underline{\hspace{2cm}}$

$320 + 100 = \underline{\hspace{2cm}}$

$55 - 10 = \underline{\hspace{2cm}}$

$84 + 10 = \underline{\hspace{2cm}}$

2 Strategy: Guess and Check

Problem Solving Strategy #4: Guess and Check

Make a smart guess, check if it works, then adjust!

Problem: Two numbers add up to 45. One number is 28. What is the other?

Guess: 17 $\rightarrow 28 + 17 = 45 \checkmark$

Answer: 17

Problem: I think of a number. Add 30 and you get 85. What is it?

Guess: 55 $\rightarrow 55 + 30 = 85 \checkmark$

Answer: 55

3 Guess and Check Practice

Make a guess, check it, adjust if needed.

Two numbers add up to 63. One is 38. What is the other?

My guess: $\underline{\hspace{2cm}}$ $\rightarrow$ Check: $\underline{\hspace{2cm}}$

Answer: $\underline{\hspace{2cm}}$

A number plus 45 equals 91. What is the number?

My guess: $\underline{\hspace{2cm}}$ $\rightarrow$ Check: $\underline{\hspace{2cm}}$

Answer: $\underline{\hspace{2cm}}$

Two numbers add up to 72. One is 29. What is the other?

My guess: $\underline{\hspace{2cm}}$ $\rightarrow$ Check: $\underline{\hspace{2cm}}$

Answer: $\underline{\hspace{2cm}}$

4 Choose Your Strategy

Read carefully. Choose which strategy to use for each problem.

The class has 68 books. 35 are fiction and the rest are non-fiction. How many non-fiction?

Strategy I used: $\underline{\hspace{2cm}}$

My work: $\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}}$ non-fiction

I thought of a number. Add 27 and you get 64. What is my number?

Strategy I used: $\underline{\hspace{2cm}}$

My work: $\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}}$ number

Two Ways! Solve this problem **two different ways** — use two different strategies.

There are 53 kids on the playground. 26 go inside. How many are still outside?

Way 1 — strategy: _____

Answer: _____

Way 2 (another way) — strategy:

Answer: _____

5 Challenge Problem

Challenge Problem

Two numbers add up to 100. One number is 36 more than the other. What are the two numbers?

Strategy I chose: _____

Show your work: _____

My numbers: _____ and _____