

## RELATIONAL SUBTRACTION

Multi-Step • Track the Change

Objective: *Track a quantity through two changes to a final amount.*

**DO THIS** Track the quantity through each change. Write one equation per step.

**WORKED EXAMPLE** Solve one step at a time. Keep each new total.

**EXAMPLE**

Maya had 525 stickers. She gave away 115, then gave away 386 more.

$$525 - 115 = \square$$

$$410 - 386 = \square$$

Left: \_\_\_\_

**TRACK THE CHANGE** Write one equation per step, then the final amount.

1

Ava had 940 cards. Gave away 72, then 101 more. How many are left?

Step 1  $940 - 72 = \square$   $\square$

→ Step 2  $868 - 101 = \square$

2

Ava had 792 cards. Gave away 153, then 630 more. How many are left?

Step 1  $792 - 153 = \square$   $\square$

→ Step 2  $639 - 630 = \square$

3

Sam had 527 cards. Gave away 166, then 348 more. How many are left?

Step 1  $527 - 166 = \square$   $\square$

→ Step 2  $361 - 348 = \square$

**CHECK** Does the final amount make sense?  yes  re-check

My final answer is reasonable because it is \_\_\_\_ than the start.

I tracked:  each step  only the end  with a diagram

TEACHER EDITION

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**DO THIS** Track the quantity through each change. Write one equation per step.

**WORKED EXAMPLE** Solve one step at a time. Keep each new total.

**EXAMPLE**

Maya had 525 stickers. She gave away 115, then gave away 386 more.

$$525 - 115 = \underline{410}$$

$$410 - 386 = \underline{24}$$

Left: 24

**TRACK THE CHANGE** Write one equation per step, then the final amount.

1

Ava had 940 cards. Gave away 72, then 101 more. How many are left?

Step 1  $940 - 72 = \underline{868}$  → Step 2 767

$868 - 101 = \underline{767}$

2

Ava had 792 cards. Gave away 153, then 630 more. How many are left?

Step 1  $792 - 153 = \underline{639}$  9

→ Step 2  $639 - 630 = \underline{9}$

3

Sam had 527 cards. Gave away 166, then 348 more. How many are left?

Step 1  $527 - 166 = \underline{361}$  13

→ Step 2  $361 - 348 = \underline{13}$

**CHECK** Does the final amount make sense?  yes  re-check

My final answer is reasonable because it is \_\_\_ than the start.

**TEACHER NOTES** Answer key & guidance

Answers: 767; 9; 13

Common error: Subtracting both changes from the start at once

Strategy: Carry the running total into the next step  
Prompt: "What is the new total after step 1?"

I tracked:  each step  only the end  with a diagram