FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

# 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 15 stickers. She gave away 4, then gave away 3 more.

**15 − 4 =** ☐

**11 − 3 =** ☐

Left: ____

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

1

Ruth had 14 marbles. Gave away 3, then 3 more. How many are left?

Step 1 **14 − 3 =** ☐ → Step 2 **11 − 3 =** ☐ ☐

2

Ava had 13 coins. Gave away 2, then 1 more. How many are left?

Step 1 **13 − 2 =** ☐ → Step 2 **11 − 1 =** ☐ ☐

3

Ruth had 13 cards. Gave away 2, then 6 more. How many are left?

Step 1 **13 − 2 =** ☐ → Step 2 **11 − 6 =** ☐ ☐

4

Ben had 13 coins. Gave away 3, then 8 more. How many are left?

Step 1 **13 − 3 =** ☐ → Step 2 **10 − 8 =** ☐ ☐

**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

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TEACHER EDITION

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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 15 stickers. She gave away 4, then gave away 3 more.

**15 − 4 = 11**
**11 − 3 = 8**
Left: 8

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

1. Ruth had 14 marbles. Gave away 3, then 3 more. How many are left?
   Step 1 **14 − 3 = 11** → Step 2 **11 − 3 = 8** — 8

2. Ava had 13 coins. Gave away 2, then 1 more. How many are left?
   Step 1 **13 − 2 = 11** → Step 2 **11 − 1 = 10** — 10

3. Ruth had 13 cards. Gave away 2, then 6 more. How many are left?
   Step 1 **13 − 2 = 11** → Step 2 **11 − 6 = 5** — 5

4. Ben had 13 coins. Gave away 3, then 8 more. How many are left?
   Step 1 **13 − 3 = 10** → Step 2 **10 − 8 = 2** — 2

**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: 8; 10; 5; 2
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