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 18 stickers. She gave away 2, then gave away 2 more.

18 − 2 = ☐

16 − 2 = ☐

Left: ____

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

1

Ava had 12 marbles. Gave away 4, then 1 more. How many are left?

Step 1 **12 − 4 =** ☐ → Step 2 **8 − 1 =** ☐ ☐

2

Eli had 11 beads. Gave away 3, then 6 more. How many are left?

Step 1 **11 − 3 =** ☐ → Step 2 **8 − 6 =** ☐ ☐

3

Eli had 12 marbles. Gave away 4, then 3 more. How many are left?

Step 1 **12 − 4 =** ☐ → Step 2 **8 − 3 =** ☐ ☐

4

Sam had 14 beads. Gave away 4, then 5 more. How many are left?

Step 1 **14 − 4 =** ☐ → Step 2 **10 − 5 =** ☐ ☐

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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Name: _____

TEACHER EDITION

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 18 stickers. She gave away 2, then gave away 2 more.

18 − 2 = 16
16 − 2 = 14
Left: 14

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

1. Ava had 12 marbles. Gave away 4, then 1 more. How many are left?
   Step 1 **12 − 4 = 8** → Step 2 **8 − 1 = 7** — 7

2. Eli had 11 beads. Gave away 3, then 6 more. How many are left?
   Step 1 **11 − 3 = 8** → Step 2 **8 − 6 = 2** — 2

3. Eli had 12 marbles. Gave away 4, then 3 more. How many are left?
   Step 1 **12 − 4 = 8** → Step 2 **8 − 3 = 5** — 5

4. Sam had 14 beads. Gave away 4, then 5 more. How many are left?
   Step 1 **14 − 4 = 10** → Step 2 **10 − 5 = 5** — 5

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: 7; 2; 5; 5
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