

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 7 stickers. She gave away 2, then gave away 4 more.

$$7 - 2 = \square$$

$$5 - 4 = \square$$

Left: ____

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

1

Eli had 6 coins. Gave away 2, then 1 more. How many are left?

Step 1 $6 - 2 = \square \rightarrow$ Step 2 $4 - 1 = \square$

2

Sam had 7 cards. Gave away 2, then 4 more. How many are left?

Step 1 $7 - 2 = \square \rightarrow$ Step 2 $5 - 4 = \square$

3

Ben had 10 marbles. Gave away 2, then 4 more. How many are left?

Step 1 $10 - 2 = \square \rightarrow$ Step 2 $8 - 4 = \square$

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

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 7 stickers. She gave away 2, then gave away 4 more.

$$7 - 2 = \underline{5}$$

$$5 - 4 = \underline{1}$$

Left: 1

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

1

Eli had 6 coins. Gave away 2, then 1 more. How many are left?

Step 1 $6 - 2 = \underline{4}$ → Step 2 $4 - 1 = \underline{3}$

3

2

Sam had 7 cards. Gave away 2, then 4 more. How many are left?

Step 1 $7 - 2 = \underline{5}$ → Step 2 $5 - 4 = \underline{1}$

1

3

Ben had 10 marbles. Gave away 2, then 4 more. How many are left?

Step 1 $10 - 2 = \underline{8}$ → Step 2 $8 - 4 = \underline{4}$

4

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: 3; 1; 4
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

