

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 699 stickers. She gave away 115, then gave away 55 more.

$$699 - 115 = \square$$

$$584 - 55 = \square$$

Left: ____

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

1

Ben had 893 stickers. Gave away 290, then 247 more. How many are left?

Step 1 $893 - 290 = \square$ \square

→ Step 2 $603 - 247 = \square$

2

Ben had 833 marbles. Gave away 157, then 607 more. How many are left?

Step 1 $833 - 157 = \square$ \square

→ Step 2 $676 - 607 = \square$

3

Ruth had 548 coins. Gave away 133, then 33 more. How many are left?

Step 1 $548 - 133 = \square$ \square

→ Step 2 $415 - 33 = \square$

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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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 699 stickers. She gave away 115, then gave away 55 more.

$$699 - 115 = \underline{584}$$

$$584 - 55 = \underline{529}$$

Left: 529

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

1

Ben had 893 stickers. Gave away 290, then 247 more. How many are left?

Step 1 $893 - 290 = \underline{603}$ 356

→ Step 2 $603 - 247 = \underline{356}$

2

Ben had 833 marbles. Gave away 157, then 607 more. How many are left?

Step 1 $833 - 157 = \underline{676}$ 69

→ Step 2 $676 - 607 = \underline{69}$

3

Ruth had 548 coins. Gave away 133, then 33 more. How many are left?

Step 1 $548 - 133 = \underline{415}$ 382

→ Step 2 $415 - 33 = \underline{382}$

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: 356; 69; 382

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