Measurement Story Problems

Module 2
Session 3

Today's Activities

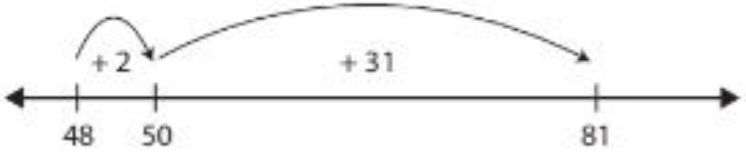
- You will learn a new work place called Target One Thousand.
- Also, we will practice solving measurement story problems.

Let’s play a game together!

Strategy Reminders

- We used an open number line to solve problems about time recently.
- We also used the compensation strategies for addition and subtraction.

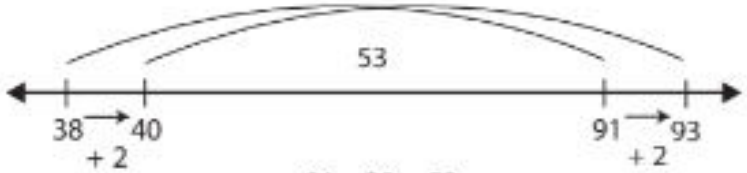
Compensation (Give & Take) Strategy for Addition



48 + 33 = 81

48 + 33
+2 −2
50 + 31 = 81

Constant Difference Strategy for Subtraction

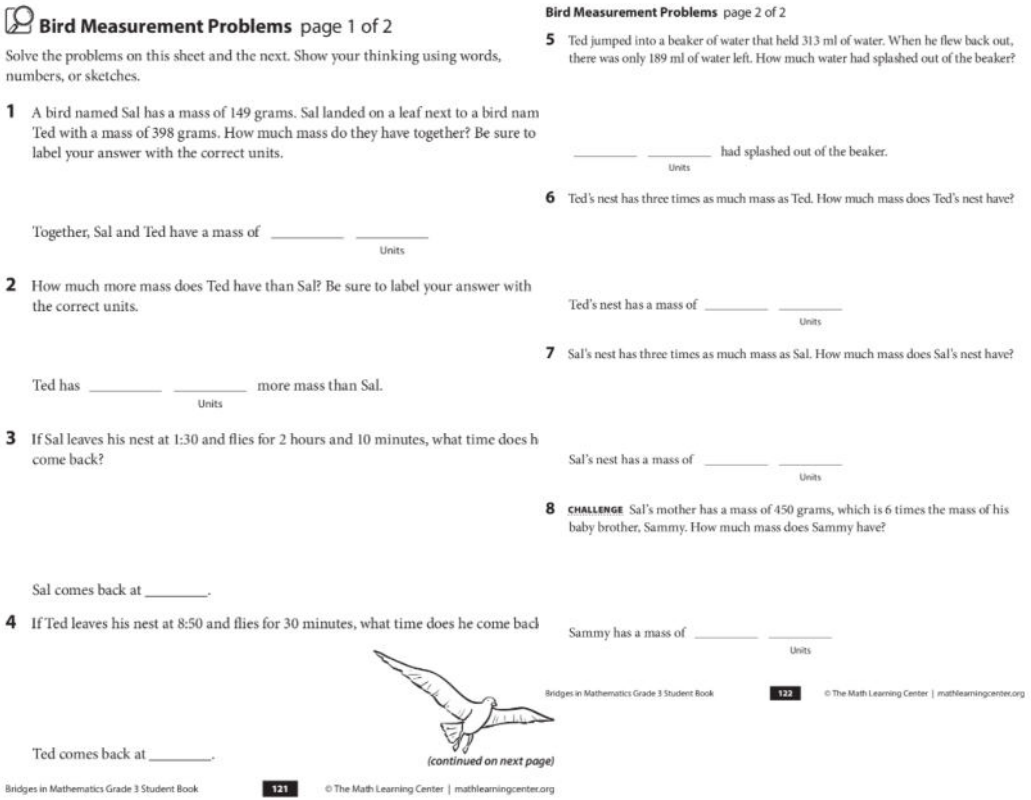


91 − 38 = 53

91 − 38
+2 +2
93 − 40 = 53

Bird Measurement Problems pages 121 and 122.

- The problems will require you to use different operations.
- To figure out which operation to use, think about which model you would use to solve the problem. Draw a picture if you need to.
- You have 30 minutes to work on the problems. Use the most efficient strategies.
- We will share our work in a math forum next session.



Bird Measurement Problems page 1 of 2

Solve the problems on this sheet and the next. Show your thinking using words, numbers, or sketches.

1 A bird named Sal has a mass of 149 grams. Sal landed on a leaf next to a bird nam Ted with a mass of 398 grams. How much mass do they have together? Be sure to label your answer with the correct units.

Together, Sal and Ted have a mass of _____ _____ (Units)

2 How much more mass does Ted have than Sal? Be sure to label your answer with the correct units.

Ted has _____ _____ (Units) more mass than Sal.

3 If Sal leaves his nest at 1:30 and flies for 2 hours and 10 minutes, what time does h come back?

Sal comes back at _____.

4 If Ted leaves his nest at 8:50 and flies for 30 minutes, what time does he come bacl

Ted comes back at _____.

(continued on next page)

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Bird Measurement Problems page 2 of 2

5 Ted jumped into a beaker of water that held 313 ml of water. When he flew back out, there was only 189 ml of water left. How much water had splashed out of the beaker?

_____ _____ (Units) had splashed out of the beaker.

6 Ted's nest has three times as much mass as Ted. How much mass does Ted's nest have?

Ted's nest has a mass of _____ _____ (Units)

7 Sal's nest has three times as much mass as Sal. How much mass does Sal's nest have?

Sal's nest has a mass of _____ _____ (Units)

8 **CHALLENGE** Sal's mother has a mass of 450 grams, which is 6 times the mass of his baby brother, Sammy. How much mass does Sammy have?

Sammy has a mass of _____ _____ (Units)

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Work Places, if time allows

- 3B - Add & Round Tens
- 3C - Round Ball Hundreds
- 3D - Round & Add Hundreds
- 4A - Tic-Tac-Tock
- 4B - Measurement Scavenger Hunt

Closing

- Show me with a thumbs up, thumbs down, or thumbs in the middle to show how you felt about the Measurement Story Problems.
- Clean up and put away all of your materials.

Optional

Complete Mr. Measure on page 123 in your student book.