Name	Date
Measuring Me	ass
Draw Cr	
1. Draw a picture of the lab. Include the the materials you will use.	two main variables and
<ol> <li>Before you collect data, how can you two-pan balance is ready?</li> </ol>	I tell that your
	• Grade 2 • Unit 8 • Lesson 4 403
	Measuring Main         Model         Measuring Main         Measuring Main<

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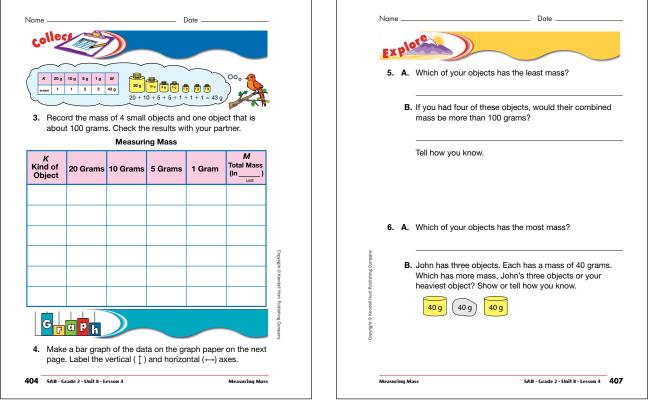
# Student Activity Book

#### Measuring Mass (SAB pp. 403–410) Questions 1–11

- **I.**\* See Figure 3 in Lesson 3 for a sample picture.
- **2.**\* We must zero the balance.
- **3.**\* See Figure 4 in Lesson 3 for a sample data table.
- **4.**\* See Figure 5 in Lesson 3 for a sample graph.

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**5–9.\*** Answers will vary.



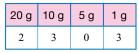
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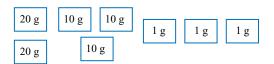
\*Answers and/or discussion are included in the lesson.

### Answer Key • Lesson 4: Measuring Mass

- **10.** Object A is between 48 and 49 grams.
- **II. A.** 20 + 10 + 10 + 10 + 5 + 5 + 5 + 5 + 11 + 1 = 73 grams
  - **B.** Solutions may vary. Possible solutions:



20 + 10 + 10 + 10 + 5 + 5 + 5 + 5 + 1 + 1 + 1 = 73 grams



**C.** Possible solutions:

10. Mark uses these masses:

10 g

Then Mark uses these masses.

10 g

Now the balance looks like this

Estimate the mass of Object A. \_

10 g

The balance looks like this

10 g

20 g

20 g

Name

20 g	10 g	5 g	1 g
1	4	1	8

20 + 10 + 10 + 10 + 10 + 5 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 73 grams

Date

1g 1g

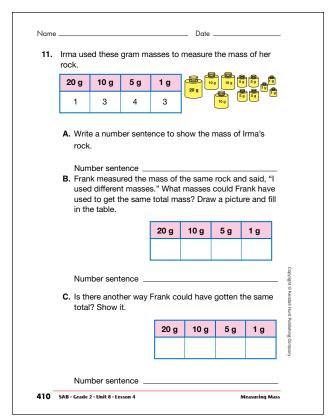
1g 1g 1g

grams

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ne	Date	
•	Add the mass of your lightest object to the mass of your heaviest object. What is the mass of the objects together? Write a number sentence.	
	B. Put these two objects in one balance pan. Find their total mass using the balance. Did you get the same answer as in Question 7A? Why or why not?	
	How many more grams is your heaviest object than your lightest object?	
	Frank's objects are each 11 grams. About how many of Frank's objects must go into the pan to equal your heaviest	

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Measuring Mass

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	Pet Rock
Use counters, a 200 C problems about your p	<i>hart</i> , and number lines to solve the pet rock.
My Pet Rock's name is My Rock is	s grams.
1. A. Draw the gram masses you need to mass your rock. Write a number sentence.	Use labels to show what your numbers mean.
Number senten	ce
B. Show or tell and	other way to get the same total.
	се
<ol> <li>What if your rock h mass be?</li> </ol>	had a mass twin? What would their total
Number senten	ce

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Name Date	
<ol> <li>What if your rock belonged to a set of mass triplets? Wh would their total mass be?</li> </ol>	at
Number sentence	
4. What if your rock was broken into four equal parts?	
What would the mass of each part be?	
Number sentence	
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\*Answers and/or discussion are included in the lesson.

## Pet Rock (SAB pp. 413–414) Questions 1–4

\* Answers for Questions 1–4 will vary.