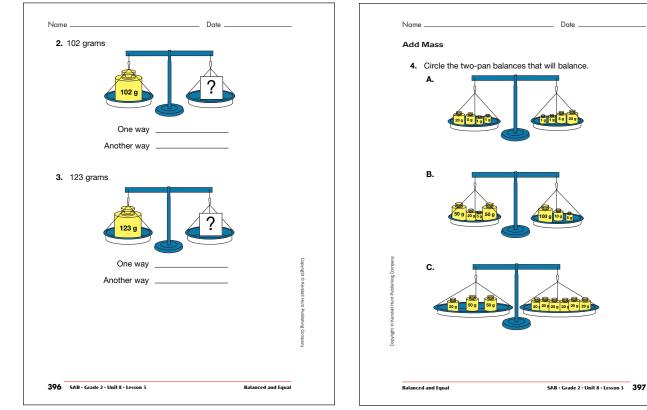
	<b>Balanced and Equal</b>
Use a T	wo-Pan Balance
the numb masses ir	p-pan balance and a set of standard masses. Place er of grams listed in one pan. Use different gram n the other pan to balance the scales. Write numbe s to show two different ways to balance the pans.
Example:	30 grams
	309
	One way <u>10 + 10 + 10 = 30 g</u>
4 55	Another way <u>5 + 10 + 5 + 10 = 30 g</u>
<b>1.</b> 55 g	rams
	One way
	Another way

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## Balanced and Equal (SAB pp. 395–400) Questions 1–8

Answers will vary. Possible answers given for Questions 1–3.

- **I.** 10 + 10 + 10 + 20 = 5 = 5520 + 5 + 20 + 10 = 55
- **3.** 50 + 50 + 20 + 1 + 1 + 1 = 123100 + 10 + 10 + 1 + 1 + 1 = 123
- **4.** Students should circle the masses in Questions 4A and 4C to show that these combinations will balance.



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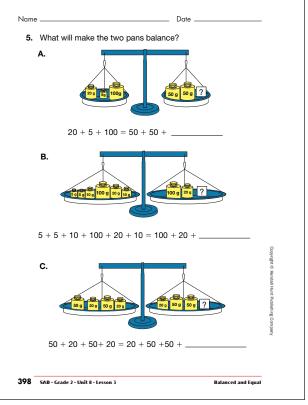
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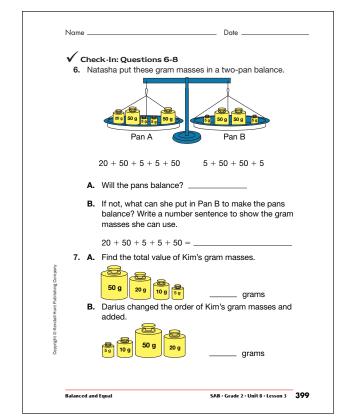
## Answer Key • Lesson 3: Balanced and Equal

- **5. A.** 25
  - **B.** 30
  - **C.** 20
- 6. A. No
  - **B.** Possible response: She could add 20 grams to pan B; 5 + 50 + 50 + 5 + 20 = 130
- **7. A.** 85 g
  - **B.** Possible response: Yes, because both sides of the equal sign amount to 85 grams. I can add the numbers in any order.
- **8. A.** 100 + 50 + 50 + 50 + 50 = 300
  - **B.** 50 + 50 + 50 + 50 + 100 = 300
  - **C.** Possible response: Yes, I got the same answer because I can group and add the numbers in any way that makes sense to me.

**D.** Possible response: Sam is not correct. You can group and add numbers in any order in an addition number sentence and you will get the same sum.



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	100 g 50 g 50 g 50 g 50 g
A.	Start by adding 100 + 50. Finish the number sentence and find the sum. 100 + 50 +
В.	Start by adding 50 + 50. 50 + 50 +
c.	Do you get the same answer? Why or why not? Show or tell how you know.
D.	Sam said, "If you start by adding the 100-gram mass first, you will get a greater sum than if you start with 50 because 100 is greater than 50." Do you agree or disagree? Why?

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