

Student Guide

Using Number Sense at the Book Sale

(SG pp. 123–124)

Questions 1–11

Explanations will vary. Possible responses:

1. **A.** 4 quarters; 95¢ is a little less than \$1 and there are 4 quarters in a dollar.  
**B.** 1 quarter; 20¢ is a little less than 25¢.
2. Yes. One book costs 50¢. The other is less than 50¢. Together the two cost less than one dollar.
- 3.\* Yes. One book costs 50¢. The other two, together, cost less than 50¢. All three would cost less than one dollar.
- 4.\* No. 2 quarters and 4 quarters is 6 quarters. Luis only has the equivalent of 5 quarters.
5. Yes. The two books by Dahl cost 75¢ each or \$1.50. Since *Fudge-a-mania* costs 50¢, Chris has enough money.
- 6.\* No. The two books by Beverly Cleary cost about \$2.00. *Amazing Grace* costs a lot more than \$1.00. All three will cost more than \$3.00.
7. Yes. *Superfudge*, *Fudge-a-mania*, and *Children of the Fire* together cost \$2.00. *James and the Giant Peach* and *Mr. Popper's Penguins* cost an additional \$1.00. So far the cost is \$3.00. After adding on *Charlotte's Web*, the total is \$3.20.
8. Possible response: I drew a picture to show the number of quarters I would need for each book and then skip counted by 25. I would need about 13 quarters. Since I need 4 quarters for a dollar I grouped the quarters and found the books would cost about \$3.25. Since Liz has \$4.00, she has enough money.

*Charlotte's Web*



*Mr. Popper's Penguins*



*Superfudge*



*Fudge-a-mania*



*Jamies and the Giant Peach*



*Children of the Fire*



25¢, 50¢, 75¢, \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.25, \$2.50, \$2.75, \$3.00, \$3.25

Price List

Title	Author	Price
<i>Charlotte's Web</i>	E.B. White	20¢
<i>Mr. Popper's Penguins</i>	Richard and Florence Atwater	25¢
<i>Ramón Makes a Trade</i>	Barbara Ritchie	45¢
<i>Superfudge</i>	Judy Blume	50¢
<i>Fudge-a-mania</i>	Judy Blume	50¢
<i>Charlie and the Chocolate Factory</i>	Roald Dahl	75¢
<i>James and the Giant Peach</i>	Roald Dahl	75¢
<i>Ramona Quimby, Age 8</i>	Beverly Cleary	95¢
<i>Ramona and Her Father</i>	Beverly Cleary	95¢
<i>Children of the Fire</i>	Harriette Gillem Robinet	\$1.00
<i>Amazing Grace</i>	Mary Hoffman	\$1.50
<i>Little House Books</i>	Laura Ingalls Wilder	4 for \$1.00

1. Pretend you are going to the book store with quarters.
  - A. Do you need three or four quarters to buy *Ramona Quimby, Age 8*? How do you know?
  - B. How many quarters do you need to buy *Charlotte's Web*? How do you know?
2. Suzanne has \$1.00. Can she buy *Ramón Makes a Trade* and *Superfudge*? Why or why not?
3. Josh has \$1.00. Can he buy *Charlotte's Web*, *Mr. Popper's Penguins*, and *Fudge-a-mania*? Use Fern's strategy to tell why or why not.
4. Luis has \$1.25. He wants to buy *Ramón Makes a Trade* for 45¢ and *Ramona and Her Father* for 95¢. He knows 1 quarter is 25¢. He thinks, "I need 2 quarters for 45¢. The other book is 95¢, which is about 4 quarters." Finish Luis's strategy to find out if he has enough money.

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5. Chris has \$2.00. Can he buy both books by Roald Dahl and *Fudge-a-mania*? Why or why not?
6. Carla has \$3.00. She wants to buy the two books by Beverly Cleary and *Amazing Grace*. Does she have enough money? Why or why not?
7. Liz has \$4.00. She wants to buy the books listed below. Does she have enough money? Why or why not?  

<i>Charlotte's Web</i>	<i>Mr. Popper's Penguins</i>
<i>Superfudge</i>	<i>Fudge-a-mania</i>
<i>James and the Giant Peach</i>	<i>Children of the Fire</i>
8. Check your solution to Question 7 by using a different strategy.
9. Kim has \$2.50. If she buys *Children of the Fire* and *Charlie and the Chocolate Factory*, how many *Little House* books can she buy?
10. Pretend you are going to the book sale. Use the Price List to write your own problem about buying books.

✓ Check-In: Question II

11. If you had \$5.00, which books would you buy? Make a list. Then describe how you made your choices. Tell how you know that you will have enough money. You can use pictures, words, or number sentences.



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

5. Chris has \$2.00. Can he buy both books by Roald Dahl and *Fudge-a-mania*? Why or why not?
6. Carla has \$3.00. She wants to buy the two books by Beverly Cleary and *Amazing Grace*. Does she have enough money? Why or why not?
7. Liz has \$4.00. She wants to buy the books listed below. Does she have enough money? Why or why not?  

<i>Charlotte's Web</i>	<i>Mr. Popper's Penguins</i>
<i>Superfudge</i>	<i>Fudge-a-mania</i>
<i>James and the Giant Peach</i>	<i>Children of the Fire</i>
8. Check your solution to Question 7 by using a different strategy.
9. Kim has \$2.50. If she buys *Children of the Fire* and *Charlie and the Chocolate Factory*, how many *Little House* books can she buy?
10. Pretend you are going to the book sale. Use the Price List to write your own problem about buying books.

**✓ Check-In: Question 11**

11. If you had \$5.00, which books would you buy? Make a list. Then describe how you made your choices. Tell how you know that you will have enough money. You can use pictures, words, or number sentences.



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- 9.\* Three *Little House* books; *Children of the Fire* and *Charlie and the Chocolate Factory* together cost \$1.75. Counting up: \$1.75 to \$2.00 is 25¢; \$2.00 to \$2.50 is 50¢ more. Kim has 75¢ to spend. If four books cost \$1.00, one costs 25¢. Kim can purchase three.
10. Problems will vary. Possible response: I have \$2.75 to spend. I want to buy *Mr. Popper's Penguins*, *Ramona and her Father*, and 4 *Little House* books. Will I have enough money? If I want to buy another book, which ones could I choose?
11. Answers will vary. Possible response: I made a table to show what I would buy with \$5.00.

Book	Price	Number of Quarters
Superfudge	50¢	
Fudge-a-mania	50¢	
Ramona Quimby, Age 8	95¢	
Ramona and Her Father	95¢	
Amazing Grace	\$1.50	
Mr. Popper's Penguins	25¢	

I skip counted using quarters to make sure I had enough money.

25¢, 50¢, 75¢, \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.25, \$2.50, \$2.75, \$3.00, \$3.25, \$3.50, \$3.75, \$4.00, \$4.25, \$4.50, \$4.75

I spent about \$4.75 on my books. I could still buy *Charlotte's Web* with my last 25¢.

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