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## **Student Guide**

## Questions 1-12 (SG pp. 290-292)

One or two possible number sentences are given for each question. Accept other sentences such as multiplication or repeated subtraction. Students are asked for only one sentence.

- **I. A.** 24 pennies  $\div$  4 = 6 pennies or 4 × 6 pennies = 24 pennies
  - **B.** 0 pennies returned to the jar
- **2.** A.\*  $18 \div 6 = 3$  dimes or 18 6 6 6 = 0 dimes
  - **B.**\* 0 dimes put back in the jar
  - **C.\***  $3 \times 10 \notin = 30 \notin$  or  $10 \notin + 10 \notin + 10 \notin = 30 \notin$
- **3.** A.\* 3 nickels;  $22 \div 6 = 3$  R4 or  $6 \times 3 + 4 = 22$  nickels
  - **B.\*** 4 nickels put back in the jar
- **4. A.** 6 pennies;  $32 \div 5 = 6$  R2 or  $6 \times 5 + 2 = 32$  pennies
  - **B.** 2 pennies put back in the jar

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

- 5. A. 5 dimes; 35 ÷ 7 = 5 or 7 × 5 = 35 dimes
  B. 0 dimes put back in the jar
  C. 5 × 10¢ = 50¢
- 6. A.\* 9 pennies;  $38 \div 4 = 9 \text{ R2 or } 4 \times 9 + 2 = 38$ pennies
  - **B.\*** 2 pennies put back in the jar
- 7. A. Possible response: The 38 stands for the 38 pennies in the jar. The division sign means that the children divide the pennies fairly. The 4 is for the number of children. The 9 is the number of pennies each child got. The R means remainder or leftovers. There are 2 pennies left over.
  - B. Possible response: Frankie thought about multiplication. The 4 is for the number of kids. The 9 is for the number of pennies that each kid got. The × is for multiplication. 4 groups of 9 pennies is 36 all together. So, Frankie subtracted the 36 pennies that the kids got from the 38 pennies in the jar. There are 2 pennies left over.
  - **C.** Possible response: The 4 is for the number of kids in the family. The 9 is for the number of pennies each kid got. 4 multiplied by 9 is only 36, so Ben added 2 more to get the total number of pennies in the jar, 38. The 2 pennies go back in the jar for next month.
- **8.** A. 5 dimes;  $31 \div 6 = 5 \text{ R1 or } 6 \times 5 + 1 = 31$ B.  $5 \times 10 \text{ c} = 50 \text{ c}$ 
  - **C.** 1 dime or  $10^{\text{c}}$  returned to the jar
- **9.**  $4 \times 11 = 44$  pennies. Students could say there are up to 47 pennies if there were pennies left to return to the jar.
- **10. A.\*** 2 dimes or  $20\phi$ ;  $15 \div 6 = 2 \text{ R3}$ 
  - **B.\*** 3 dimes or 30¢ returned to the jar
  - **C.\*** Trade the 3 dimes for 6 nickels.  $6 \div 6 = 1$ . Everyone gets another nickel.
- 11. A. parents—3 dimes or 30¢;
  19 dimes ÷ 6 people; 3 dimes R1
  19 pennies ÷ 4 people = 4 pennies R3
  children—3 dimes and 4 pennies or 34¢
  - **B.** 1 dime and 3 pennies returned to the jar
- **12.** A.\* No;  $28 \div 4 = 7$  pennies for each child; no pennies returned to the jar
  - **B.** Yes;  $4 \times 10 = 40$ , so there would be 2 pennies left over.

## Homework (SG p. 292)

Homework answers will vary.

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

	C. How much	r dimes did they put back in n money did each person ge	i the jar? et in dimes?
Di	scuss		
6.	In March there were 38 pennies in the jar. (Farley went home.) A. How many pennies did each of the four children get?		
	B. How many	pennies did they put back	in the jar?
Flora the p	, Frankie, and ennies in Marc	Ben wrote number sentence h.	es to show how they divide
Flora	wrote:	Frankie wrote:	Ben wrote:
38 ÷	4 = 9 R2	4 × 9 = 36	$4 \times 9 + 2 = 38$
		38 - 36 = 2	
7.	<ul> <li>A. Look at Flo</li> <li>B. Look at Fr</li> <li>C. Look at Be</li> </ul>	ora's solution. Explain what s ankie's solution. Explain wh en's solution. Explain what h	she did to solve the probler at he did to solve the probl he did to solve the problem.
8.	In April there were 31 dimes in the jar.		
	<ul> <li>A. How many dimes did each person get?</li> <li>B. How much money did each person get?</li> </ul>		
	C. How much	i money was put back in the	e jar?
9.	If each child g	ot 11 pennies in May, how	many pennies were in the ja
	lar		C . Cande 7 . 11-14 10 . Lanuar 4

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