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

# **Student Guide**

### Birthday Party (SG pp. 287–288) Questions 1–10

Note: Explanations will vary. Encourage the use of manipulatives and number sentences. One possible number sentence is given in the answers below.

- 1.\* 5 people;  $15 \div 3 = 5$  people
- **2.\*** 4 tables; See Figure 1 in the lesson.
- **3.** 2 cupcakes;  $30 \div 15 = 2$  cupcakes
- **4.** 12 people; 15 3 = 12 people or 14 3 + 1 = 12 people
- **5.** 4 people;  $12 \div 3 = 4$  people
- **6.** 3 tables; 4 + 4 + 4 = 12 people
- 7. A.\* 2 cupcakes for each guest with 6 cupcakes left over ;  $30 \div 12 = 2$  with 6 leftover
  - **B.\***  $2\frac{1}{2}$  cupcakes;  $30 \div 12 = 2\frac{1}{2}$
- **8. A.** Since there are 12 people and only 6 pizzas, each person will get less than a whole pizza to be fair.
  - **B.**\* $\frac{1}{2}$  pizza
  - **C.\*** Possible response: I drew a picture of the pizzas and then cut them each in half so there were 12 servings.



- **9.** 7 dominoes; 7 + 7 + 7 + 7 = 28 dominoes
- **10. A.** 8 balloons;  $30 \div 11 = 2$  with 8 leftover
  - **B.** I used 30 counters. I divided them into 11 groups and had 8 left for Tina.



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#### **Student Guide**

## Homework (SG p. 289) Questions 1–5

Number sentences may vary. One possible number sentence is given in the answers below.

- I. 6 pieces of ribbon with 3 inches left over;
  - $7 \times 6 = 42; 42 + 3 = 45$
- **2.** 9 inches;  $36 \div 4 = 9$
- **3.**  $8\frac{1}{2}$  inches;  $17 \div 2 = 8\frac{1}{2}$
- **4.**  $3\phi$ ;  $3 \times 12 = 36\phi$
- 5. 3 bars with 6 bars left over;
  - $3 \times 12 = 36$  bars
  - 42 36 = 6 bars





## Teacher Guide

### Ice Cube Problem (TG) Questions 1–4

\*See the lesson for discussion.



Teacher Guide