Name Study Guide Date Class

Check Up 1 (continued)

2. Lucy is shopping for her younger brother's birthday party. All twelve of their family members will be at the party.

a. She finds a package of four noise-makers for $1.50. At this rate, how many packages will she need to buy so that each person has one noise-maker?

12 ÷ 4 = 3 packages of noise-makers.

b. A package of four fancy plastic hats costs $8. What is the unit price of a hat? Write your answer as a comparison statement.

$\frac{\$8 \div 4}{4 \text{ fancy plastic hats} \div 4} = \frac{\$2}{1 \text{ fancy plastic hats}}$

Each fancy plastic hat costs $2.00.

c. A dozen plain hats cost $3.60. What is the unit rate of a hat? Write your answer as a comparison statement.

$\frac{\$3.60 \div 12}{12 \text{ plain hats} \div 12} = \frac{\$0.30}{1 \text{ plain hat}}$

30
12)3.60
36↓
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Each plain hat costs $0.30.

d. Suppose one balloon costs $3. Complete the table to find the cost of different numbers of balloons that Lucy might buy. Using the rate table, what would be the cost of 23 balloons?

	×3	×3	×3	×3	×3	×3	×3
Number of Balloons	1	2	3	4	5	10	12
Cost ($)	3	6	9	12	15	30	36

23 ballons × $3 = $69 for 23 ballons.