

Sixth-Grade Picnic

Lesson 3-7

DATE

TIME



Math Message

Ms. Rizio's sixth-grade class is planning a picnic. Everyone is assigned something to bring.

Quincy and Grace are in charge of buying the hot dog buns. There are 21 people total, and Quincy and Grace have been told they will need 1 bun per person.

Buns are sold two ways:

- packages of 16 for \$4.08
- packages of 12 for \$3.48

Handwritten math work for two buns packages:

Left package (16 buns for \$4.08):
$$\frac{\text{Buns}}{\$} = \frac{16}{4.08} = \frac{1}{x}$$
$$x \cdot 16 = 4.08$$
$$\frac{4.08}{16} = x$$
$$x = .255$$

Right package (12 buns for \$3.48):
$$\frac{\text{Buns}}{\$} = \frac{12}{3.48} = \frac{1}{x}$$
$$12x = 3.48$$
$$\frac{3.48}{12} = x$$
$$x = .29$$

Based on price, Quincy thinks they should buy packages of 16 buns, but Grace thinks they should buy packages of 12.

1 How could both students be correct? Explain your reasoning.

2 What would you recommend they buy? Explain why your answer makes sense.



1 Find the GCF.

a. $\text{GCF}(40, 60) =$ _____

b. $\text{GCF}(24, 36) =$ _____

c. $\text{GCF}(18, 45, 90) =$ _____

SRB

105

2 Write one number between each given pair of numbers.

a. $\frac{1}{4}$ and $\frac{3}{4}$ _____

b. $\frac{1}{3}$ and $\frac{3}{4}$ _____

c. $1\frac{1}{4}$ and $1\frac{2}{3}$ _____

SRB

169-170

3 Sienna can walk 3 miles in 45 minutes. If she keeps the same pace, how many miles can she walk in 2 hours?

Solution: _____

SRB

43-46

4 For each problem, estimate and then divide.

a. $\frac{4}{5} \div \frac{1}{2}$
 Estimate: _____

Quotient: _____

b. $2\frac{1}{3} \div \frac{1}{3}$
 Estimate: _____

Quotient: _____

c. $1\frac{7}{8} \div \frac{1}{4}$
 Estimate: _____

Quotient: _____

SRB

198-196

5 Writing/Reasoning Explain how you estimated in Problem 4c.