

**Ready® Mathematics****Lesson 6 Quiz****Solve the problems.**

- 1** A soccer organization is going to spend \$2,990 to purchase all sweatshirts or all jackets for its players. Sweatshirts cost \$26 each. Jackets cost \$46 each. What is the greatest number of sweatshirts or jackets that the organization can purchase?

**Show your work.**

**Answer:** The organization can purchase \_\_\_\_\_ sweatshirts or \_\_\_\_\_ jackets.

- 2** Tasha wants to find the quotient of  $1,026 \div 27$ . She creates a table to show the products of 27 multiplied by different multiples of 10.

<b>Multiple of 10</b>	10	20	30	40	50	60
<b>Product</b>	270	540	810	1,080	1,350	1,620

How can Tasha use the table to estimate the quotient? What is the actual quotient?

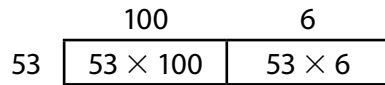
Fill in the blanks to explain the method Tasha can use.

The number 1,026 is between \_\_\_\_\_ and \_\_\_\_\_, so the quotient is between \_\_\_\_\_ and \_\_\_\_\_. Because 1,026 is closer to \_\_\_\_\_ than to \_\_\_\_\_, Tasha knows that the quotient is closer to \_\_\_\_\_ than to \_\_\_\_\_. The best estimate for the quotient is \_\_\_\_\_. The actual quotient is \_\_\_\_\_.



**Lesson 6 Quiz continued**

- 3** Which equations can be represented by the model below?



Circle all the correct answers.

- A**  $5,618 \div 106 = 53$       **D**  $5,618 \div 53 = 106$   
**B**  $106 \div 53 = 2$       **E**  $106 \div 2 = 53$   
**C**  $5,300 \div 53 = 100$       **F**  $5,300 \div 100 = 53$

- 4** A jewelry shop makes and sells pearl necklaces. The shop has a total of 6,832 pearls. Each necklace has 16 pearls. Marvin says that the greatest number of necklaces the jeweler can make with all of the pearls in the shop is 682. Marvin's work is shown below.

$$\begin{array}{r}
 \underline{682} \leftarrow \text{quotient} \\
 2 \leftarrow \text{partial quotient} \\
 80 \leftarrow \text{partial quotient} \\
 \underline{600} \leftarrow \text{partial quotient} \\
 16 \overline{)6,832} \\
 \underline{-6,000} \\
 832 \\
 \underline{-800} \\
 32 \\
 \underline{-32} \\
 0
 \end{array}$$

Explain why Marvin's answer is incorrect and how he can find the correct answer.

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