Name _____ Date _____

***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 ÷ 27. She creates a table to show the products of 27 multiplied by different multiples of 10.

Multiple of 10	10	20	30	40	50	60
Product	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 _____.

Name _____ Date _____

Lesson 6 Quiz continued

3 Which equations can be represented by the model below?

	100	6
53	53 × 100	53 × 6

Circle all the correct answers.

A 5,618 ÷ 106 = 53

B 106 ÷ 53 = 2

C 5,300 ÷ 53 = 100

D 5,618 ÷ 53 = 106

E 106 ÷ 2 = 53

F 5,300 ÷ 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.

```
  682  ← quotient
    2  ← partial quotient
   80  ← partial quotient
  600  ← partial quotient
16)6,832
 − 6,000
    832
  − 800
     32
   − 32
      0
```

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