



Name _____ Date _____

Use Patterns to Multiply

TAKS Objective 1
TEKS 5.3B

Use patterns to solve.

1. A post office is open 7 hours each day for 300 days a year. How many hours is the post office open during a year?

$$7 \times 3 = 21$$

$$7 \times 30 = 210$$

$$7 \times 300 = \underline{\hspace{2cm}}$$

3. The post office sells books of 20 stamps and rolls of 100 stamps. If a customer buys 5 books of stamps and 4 rolls of stamps, how many stamps does the customer buy altogether?

5. Stamp collectors put their extra stamps in special envelopes. You can buy a small pack of 100 envelopes for \$3 per pack or a large pack of 1,000 envelopes for \$20 per pack. What is the largest number of envelopes a stamp collector can buy with \$98?

2. A mail carrier delivers 400 letters each day for 6 days. How many letters does he deliver in all?

$$6 \times 400 = 6 \times 4 \times 100$$

$$= \underline{\hspace{2cm}}$$

4. A sheet of 3-cent stamps is set in an array of 5 rows with 10 stamps in each row. How many stamps are on 300 sheets?

6. A stamp dealer sells packages of assorted stamps. There are 200, 300, 400, 600, or 800 stamps in a package. A customer buys 3 of one package and 2 of another package and gets a total of 3,000 stamps. Which sets of stamps did the customer buy?
