Explore Multiplication Patterns with Tens, Hundreds, and Thousands

1 (MP) **Use Structure** There are 6,000 people at a soccer game. Each game ticket costs $5. What is the amount of the ticket sales? Complete the patterns to solve.

5×6 ones = _____ ones

5×6 tens = _____ tens

5×6 hundreds = _____ hundreds

5×6 thousands = _____ thousands

The ticket sales are _____.

$5 \times 6 =$ _____

$5 \times 60 =$ _____

$5 \times 600 =$ _____

$5 \times 6,000 =$ _____

2 A store has 2,000 boxes of frozen yogurt bars for sale. Each box contains 4 bars. How many yogurt bars are for sale?

$4 \times 2 =$ _____

$4 \times 20 =$ _____

$4 \times 200 =$ _____

$4 \times 2,000 =$ _____

_____ yogurt bars are for sale.

3 A truck is carrying 3,000 boxes. Each box weighs 6 pounds and contains a laptop and power cord. What is the weight of all the boxes?

$6 \times 3 =$ _____

$6 \times 30 =$ _____

$6 \times 300 =$ _____

$6 \times 3,000 =$ _____

All the boxes weigh _____ pounds.

4 Susanna makes bead necklaces for 9 of her friends. She uses 200 beads for each necklace. How many beads does she use for the 9 necklaces? Show your work.

_____

_____

Test Prep

5 Select all of the equations that have a product of 2,400.

Ⓐ $8 \times 300 = $ ■   Ⓓ $6 \times 4{,}000 = $ ■

Ⓑ $3 \times 800 = $ ■   Ⓔ $6 \times 400 = $ ■

Ⓒ $2 \times 1{,}000 = $ ■   Ⓕ $3{,}000 \times 8 = $ ■

6 A train can carry 9,000 passengers each day. How many passengers can the train carry in 7 days?

Ⓐ 3,600

Ⓑ 6,300

Ⓒ 36,000

Ⓓ 63,000

7 Draw lines to match each multiplication problem with its product.

2×2 •   • 4,000

2×200 •   • 4

$2 \times 2{,}000$ •   • 400

2×20 •   • 40

8 What is the product of 6 and 900?

_____

Spiral Review

9 Write the number in expanded form.

35,842

_____

10 Estimate. Then find the difference.

Estimate: _____

$$\begin{array}{r} 598{,}876 \\ -\ 112{,}543 \\ \hline \end{array}$$