

 **Chapter 2 Review/Test****Personal Math Trainer**Online Assessment
and Intervention

For 1–3, use the table.

Prices for Trees					
Tree	Regular Price	Price for 3 or more	Tree	Regular Price	Price for 3 or more
Ivory Silk Lilac	\$25	\$22	Hazelnut	\$9	\$8
White Pine	\$40	\$37	Red Maple	\$9	\$8
Bur Oak	\$35	\$32	Birch	\$9	\$8

1. What is the cost of 3 Bur Oak trees? Show your work.

2. Mr. Tan buys 4 White Pine trees and 5 Birch trees. What is the cost of the trees? Show your work and explain how you found the answer.

3. Rudy will buy 3 Ivory Silk Lilac trees or 2 Bur Oak trees. He wants to buy the trees that cost less. What trees will he buy? How much will he save? Show your work.

4. For numbers 4a–4d, select True or False for each equation.

4a. $7 \times 194 = 1,338$ True False

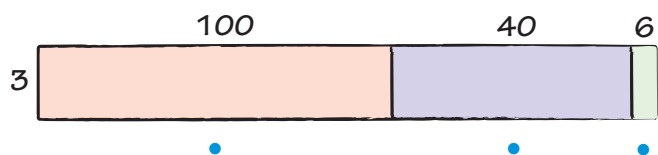
4b. $5 \times 5,126 = 25,630$ True False

4c. $8 \times 367 = 2,926$ True False

4d. $4 \times 3,952 = 15,808$ True False

5. **Part A**

Draw a line to match each section in the model to the partial product it represents.



3×6

3×100

3×40

Part B

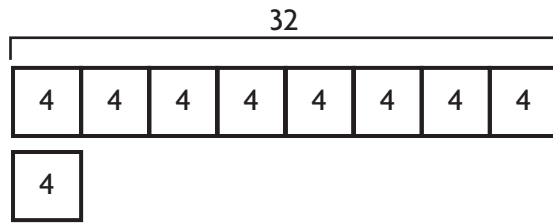
Then find 3×146 . Show your work and explain.

Name _____

6. For numbers 6a–6c, write an equation or a comparison sentence using the numbers on the tiles.

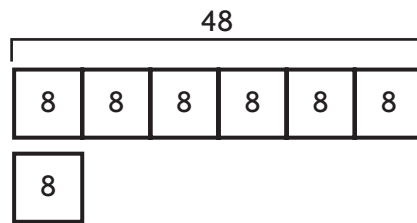


6a.



times as many as is .

6b.



\times =

6c. $9 \times 3 = 27$

times as many as is .

7. Multiply 7×43 . For 7a–7d, select True or False for each statement.

7a. A reasonable estimate of the product is 280. True False

7b. Using partial products, the products are 21 and 28. True False

7c. Using regrouping, 21 ones are regrouped as 1 ten and 2 ones. True False

7d. The product is 301. True False

8. It costs 9,328 points to build each apartment building in the computer game *Big City Building*. What is the cost to build 5 apartment buildings? Show your work.

9. Multiply 7×462 using place value and expanded form.
Choose the number from the box to complete the expression.

$$(7 \times \begin{array}{|c|} \hline 4 \\ \hline 40 \\ \hline 400 \\ \hline \end{array}) + (7 \times \begin{array}{|c|} \hline 600 \\ \hline 60 \\ \hline 6 \\ \hline \end{array}) + (7 \times \begin{array}{|c|} \hline 2 \\ \hline 20 \\ \hline 200 \\ \hline \end{array})$$

10. For numbers 10a-10b, use place value to find the product.

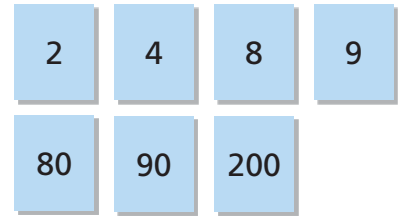
10a. $3 \times 600 = 3 \times \boxed{}$ hundreds
 $= \boxed{}$ hundreds
 $= \boxed{}$

10b. $5 \times 400 = 5 \times \boxed{}$ hundreds
 $= \boxed{}$ hundreds
 $= \boxed{}$

11. **GO DEEPER** Liam has 3 boxes of baseball cards with 50 cards in each box. He also has 5 boxes with 40 basketball cards in each box. If Liam goes to the store and buys 50 more baseball cards, how many baseball and basketball cards does Liam have? Show your work.

Name _____

12. There is a book sale at the library. The price for each book is \$4. Which expression can be used to show how much money the library will make if it sells 289 books? Use the numbers on the tiles to complete your answer.



$(4 \times \underline{\hspace{2cm}}) + (4 \times \underline{\hspace{2cm}}) + (4 \times \underline{\hspace{2cm}})$

Personal Math Trainer



13. **THINK SMARTER +** Find 8×397 . Show your work and explain why the strategy you chose works best with the factors.

14. A clown bought 6 bags of round balloons with 24 balloons in each bag. The clown also bought 3 bags of long balloons with 36 balloons in each bag.

Part A

How many more long balloons than round balloons did the clown buy? Show your work.

Part B

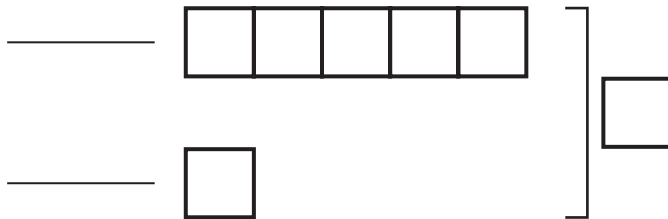
The clown also bought 5 bags of heart-shaped balloons with 14 balloons in each bag. When the clown blew up all of the round, long, and heart-shaped balloons, 23 balloons burst. How many blown-up balloons were left? Explain your answer.

15. Hector planted 185 flowers in 2 days. There were 5 volunteers, including Hector, who each planted about the same number of flowers. About how many flowers did they plant?

- 185
- 400
- 500
- 1,000

16. Jay and Blair went fishing. Together, they caught 27 fish. Jay caught 2 times as many fish as Blair. How many fish did Jay and Blair each catch? Write an equation and solve. Explain your work.

17. At the pet fair, Darlene’s dog weighed 5 times as much as Leah’s dog. Together, the dogs weighed 84 pounds. How much did each dog weigh? Complete the bar model. Write an equation and solve.



18. Use the Distributive Property to model the product on the grid. Record the product.

$4 \times 12 = \underline{\hspace{2cm}}$

