Chapter Review

1. Patricio is making a scale model of his school. His school is 11.4 meters tall. If the model is 0.07 of the actual size of the school, how tall is the model?

   _____ meters

2. For 2a–2d, choose Yes or No to indicate whether the product is correct.
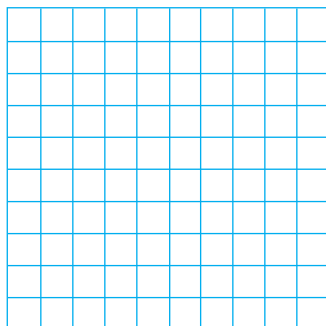
   2a. $0.3 \times 0.4 = 1.2$ ○ Yes   ○ No

   2b. $0.02 \times 0.4 = 0.008$ ○ Yes   ○ No

   2c. $0.05 \times 0.3 = 0.015$ ○ Yes   ○ No

   2d. $0.06 \times 0.03 = 0.018$ ○ Yes   ○ No

3. Leona is working with a piece of string that is 5.5 feet long. She needs the string to be 2.7 times as long. How long will the string be?

   _____

4. Laurel models the product 0.9×0.6. Shade the correct amount of boxes that will show the product. Find the product.

   $0.9 \times 0.6 =$ _____

5. Use properties to find $4 \times 7.9 \times 2.5$.

7.9 $\times$ _____ $\times$ 2.5   _____   Property of Multiplication

7.9 $\times$ _____ $\times$ _____ _____ Property of Multiplication

$7.9 \times$ _____

_____

6. Which problems will have two decimal places in the product? Mark all that apply.

(**A**) 3.4×6.7 (**B**) 7.4×10 (**C**) 9.85×1

(**D**) 8.4×9 (**E**) 7×2.96

7. Madeleine is trying to multiply 0.5 x 0.34 x 2. Explain how she can use the Identity Property of Multiplication to find the product. What is the product?

_____

_____

_____

_____

8. Maria worked 31.75 hours this week.

Part A

Last week, Maria worked 0.8 times as many hours. How many hours did she work last week? Show your work.

_____ hours

Part B

Next week, Maria is scheduled to work 1.2 times as many hours. Assuming she works whatever she is scheduled for, how many hours will she work next week? Show your work.

_____ hours

9. Arabella drives 17.8 miles a day. Yaya drives 1.6 times as far each day. How far does Yaya drive in 3 weeks? Show your work.

10. Elianna practices flute for 4.8 hours each week. Avery practices the oboe for 2.7 times as long each week. How many hours does Avery practice each week?

11. Use the numbers in the boxes to complete the number sentences.
A number may be used more than once.

| 1,620 | 162 | 16.2 | 1.62 | 0.162 |

$3.6 \times 4.5 = \boxed{}$

$3.6 \times 45 = \boxed{}$

$3.6 \times 0.45 = \boxed{}$

$0.36 \times 0.45 = \boxed{}$

12. Beau spends 4 times as much as Jin on gear for the track season. Jin spent $12.89. How much did Beau spend?

$_____

13. Saul bought 2.3 pounds of apples and 4 pounds of oranges. They each cost $1.70 per pound.

Part A

Explain how you could mentally find the cost of the oranges by using the Distributive Property. What is the cost?

Part B

Show how you can use the Distributive Property to find the cost of the apples.

Part C

Show that your answers in Parts A and B are correct by multiplying to find the products. What is the total cost of the apples and oranges?
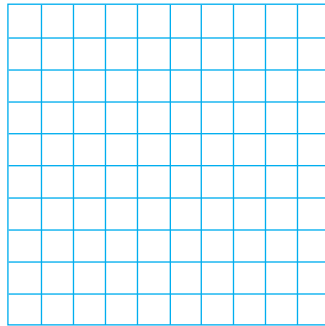
14. Complete the equation. Tell which property you used.

$7 \times 5.6 = 7 \times ($ _____ $+ 0.6)$

$= ($ _____ $\times 5) + (7 \times$ _____ $)$

$=$ _____ $+$ _____

$=$ _____

I used the _____ Property.

15. Shade the model to show 0.5×0.3. Then find the product.

$0.5 \times 0.3 =$ [ ]

16. Genesis reports that $4.5 \times 7.6 = 3.42$. Is she correct? Explain your reasoning.

17. Explain how an estimate helps you to place the decimal point when multiplying 3.9×5.3.

18. On Saturday, Ahmed walks his dog 0.7 mile. On the same day, Latisha walks her dog 0.4 times as far as Ahmed walks his dog. How far does Latisha walk her dog on Saturday?

_____ mile(s)

19. For 19a–19d select True or False for each statement.

19a. The product of 1.5 and
2.8 is 4.2.   ○ True   ○ False

19b. The product of 7.3 and
0.6 is 43.8.   ○ True   ○ False

19c. The product of 0.09 and
0.7 is 6.3.   ○ True   ○ False

19d. The product of 0.79 and
1.5 is 1.185.   ○ True   ○ False

20. A builder buys 24.5 acres of land to develop a new community of homes and parks.

Part A

The builder plans to use 0.25 of the land for a park. How many acres will he use for the park?

_____ acres

Part B

He buys a second property that has 0.62 times as many acres as the first property. How many acres of land does the second property have? Show your work.

21. Joaquin lives 0.3 mile from Keith. Layla lives 0.4 times as far from Keith as Joaquin. How far does Layla live from Keith? Write an equation to solve.

_____ mile

22. Brianna is getting materials for a chemistry experiment. Her teacher gives her a container that has 0.15 liter of a liquid in it. Brianna needs to use 0.4 of this liquid for the experiment. How much liquid will Brianna use?

_____ liter