# **Chapter Review**

- 1. Omar is making a scale model of the Statue of Liberty for a report on New York City. The Statue of Liberty is 305 feet tall measuring from the ground to the tip of the torch. If the model is  $\frac{1}{100}$  the actual size of the Statue of Liberty, how tall is the model?
- **2.** For numbers 2a–2d, choose Yes or No to indicate whether the product is correct.

2a.	$0.62 \times 10 = 62$	⊖ Yes	O No
2b.	$0.53 \times 10 = 5.3$	O Yes	O No
2c.	0.09  imes 100 = 9	⊖ Yes	O No
2d.	$0.60 \times 1,000 = 60$	O Yes	O No

- 3. Nicole is making 1,000 bows for people who donate to the library book sale. She needs a piece of ribbon that is 0.75 meter long for each bow. How many meters of ribbon does Nicole need to make the bows? Explain how to find the answer.
- **4.** Fatima is shading this model to show  $0.08 \times 3$ . Shade the correct amount of boxes that will show the product.

Fatima should shade		groups of	small squares or	
small squares.				



feet

**5.** Tenley is making a square frame for her painting. She is using 4 pieces of wood that are each 2.75 feet long. How much wood will Tenley use to make the frame?

\_feet

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

A	5  imes 0.89	<b>C</b> $5.31 \times 1$	$\bigcirc \mathbf{E}  7 \times 4.6$
B	7.4 imes10	<b>D</b> 6.1 × 3	

7. Ken and Leah are trying to solve a science homework question. They need to find out how much a rock that weighs 4 pounds on Earth would weigh on Venus. They know they can multiply the number of pounds the rock weighs on Earth by 0.91 to find its weight on Venus. Select the partial products Ken and Leah would need to add to find the product of 4 and 0.91. Mark all that apply.



**8.** Sophia exchanged 1,000 U.S. dollars for the South African currency, which is called the rand. The exchange rate was 7.15 rand to \$1.

#### Part A

How many South African rand did Sophia get? Explain how you know.

#### Part B

Sophia spent 6,274 rand on her trip. She exchanged the rand she had left for U.S. dollars. The exchange rate was 1 rand to \$0.14. How many U.S. dollars did Sophia get? Support your answer using specific information from the problem.

#### Name .

**9.** Trevor is reading a book for a book report. Last week, he read 35 pages of the book. This week, he read 2.5 times as many pages as he read last week. How many pages of the book has Trevor read this week? Show your work.

**10.** Jonah drives his car to and from work. The total length of the trip to and from work is 19.2 miles. In August, Jonah worked 21 days. How many miles in all did Jonah drive to and from work that month? Show your work.

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



**12.** Melinda, Zachary, and Heather went to the mall to shop for school supplies. Melinda spent \$14.25 on her supplies. Zachary spent \$2.30 more than Melinda spent. Heather spent 2 times as much money as Zachary spent. How much did Heather spend on school supplies?

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**13.** The cost of admission to the Baytown Zoo is \$10.50 for each senior citizen, \$15.75 for each adult, and \$8.25 for each child.

#### Part A

A family of 2 adults and 1 child plan to spend the day at the Baytown Zoo. How much does admission for the family cost? Explain how you found your answer.

## Part B

Describe another way you could solve the problem.

### Part C

What if 2 more tickets for admission are purchased? If the two additional tickets cost \$16.50, determine what type of tickets the family purchases. Explain how you can determine the answer without calculating.

**14.** At a tailor shop, it costs \$6.79 to shorten a pair of pants and 4 times as much to mend a dress. Choose the answer that correctly completes the statement.

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	\$19.47	
It would cost Lisa	\$27.16	to shorten one pair of pants and mend one dress.
	\$33.95	

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**15.** Complete the area model. Find the product.



**16.** Mr. Evans is paid \$9.20 per hour for the first 40 hours he works in a week. He is paid 1.5 times that rate for each hour after that.

Last week, Mr. Evans worked 42.25 hours. He says he earned \$388.70 last week. Do you agree? Support your answer.

- **17.** A backpack costs \$25. Jasper pays 0.8 of the price because he gets an employee discount. Tikik has a coupon for \$5 off. Explain who pays less for the backpack.
- **18.** Coffee is sold in 1.25-pound bags. If a store sells 25 bags each day, how many pounds of coffee do they sell in a week?

pounds

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

19a.	The product of 1.5 and 2.8 is 4.2.	O True	O 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	O False
19d.	The product of 0.79 and 1.5 is 1.185.	O True	○ False

**20.** Merrik earned \$36.24 last weekend. Chaela earned \$7.99 more than Merrik. Brooklyn earned twice as much as Chaela. How much did Brooklyn earn?

#### Part A

Draw a diagram to show how much each person earned.

#### Part B

How much did Brooklyn earn?

