Chapter 4 Review/Test

Summative Assessment

Use the Chapter Review/Test to assess students' progress in Chapter 4.

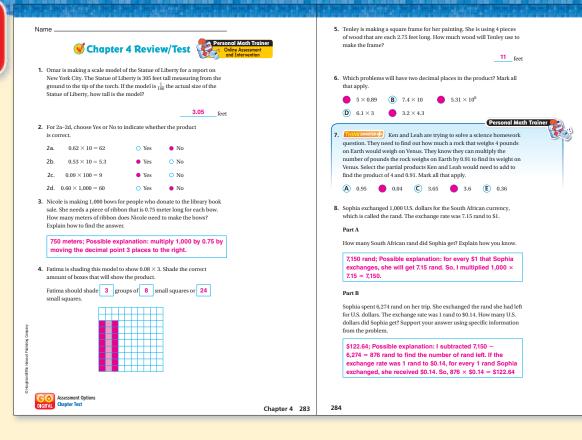
You may want to review with students the essential question for the chapter.

Chapter Essential Question

How can you solve decimal multiplication problems?

Ask the following questions to focus students' thinking:

- How is multiplying with decimals similar to multiplying with whole numbers?
- How can patterns, models, and drawings help you solve decimal multiplication problems?
- How do you know where to place a decimal point in a product?
- How do you know the correct number of decimal places in a product?

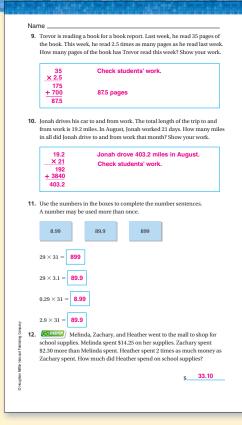


Data-Driven Decision Making RtI Chapter 4

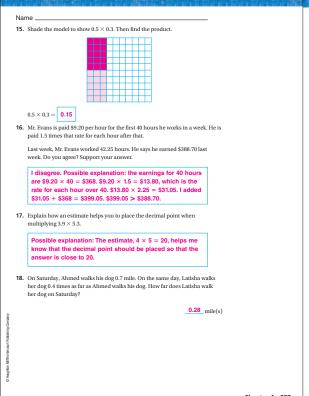
Based on the results of the Chapter Review/Test use the following resources to review skills.

| 3 | | | | | |
|-----------|--------|-----------|--|--------------------------|----------------|
| Item | Lesson | Standard | Content Focus | Personal Math Trainer | Intervene with |
| 1–3 | 4.1 | 5.NBT.A.2 | Use patterns in the placement of the decimal point to multiply by a power of 10. | 5.NBT.2 | R —4.1 |
| 4 | 4.2 | 5.NBT.B.7 | Use models to find the product of a decimal and a whole number. | 5.NBT.7 | R —4.2 |
| 5, 7, 8 | 4.3 | 5.NBT.B.7 | Use place value to multiply a decimal and a whole number. | 5.NBT.7 | R —4.3 |
| 6, 17, 18 | 4.7 | 5.NBT.B.7 | Use place value to determine the placement of a decimal in a product. | 5.NBT.7 | R—4.7 |
| 9–11 | 4.4 | 5.NBT.B.7 | Multiply decimals to hundredths by whole numbers. | 5.NBT.7 | R—4.4 |
| 12–14, 16 | 4.5 | 5.NBT.B.7 | Solve decimal multiplication problems. | 5.NBT.7 | R —4.5 |
| 15 | 4.6 | 5.NBT.B.7 | Use models to find the product of two decimals to hundredths. | 5.NBT.7 | R —4.6 |
| 19–22 | 4.8 | 5.NBT.B.7 | Multiply two decimals. | 5.NBT.7 | R —4.8 |

Key: R—Reteach (in the Chapter Resources)



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 \$39.75; Possible explanation: I will find the cost of the two adult tickets by multiplying 2 \times \$15.75 = \$31.50. Then, I will add the cost of the child's ticket. \$31.50 + \$8.25 = \$39.75Describe another way you could solve the problem. Possible description: I could add the cost of the three tickets. \$15.75 + \$15.75 + \$8.25 = \$39.75What 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. Two additional children's tickets are purchased. Possible explanation: Since senior citizen tickets cost about \$10 each, then 2 tickets would cost about \$20, which is too much. Adult tickets cost about \$16 each, so 2 adult tickets would cost about \$32, which is too much, Children's ickets cost about \$8, and 2 tickets would be about \$16 14. At a tailor shop, it costs \$6.79 to shorten a pair of pants and 4 times as ich to mend a dress. Choose the answer that correctly completes the \$19.47 It would cost Lisa \$27.16 to shorten one pair of pants and mend one dress. \$33.95 Chapter 4 285 286



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 The product of 7.3 and 0.6 is 43.8. 19c. The product of 0.09 and O True False 19d. The product of 0.79 and 1.5 is 1.185. True $\textbf{20.} \ \ \textbf{A builder buys 24.5 acres of land to develop a new community of homes}$ The builder plans to use 0.25 of the land for a park. How many acres will 6.125 acres He buys a second property that has 0.62 times as many acres as the first property. How many acres of land are in the second property? Show your work. 24.5 The second property has 15.190 or 15.19 acres × 0.62 of land. 21. Joaquin lives 0.3 miles from Keith. Layla lives 0.4 as far from Keith as Joaquin. How far does Layla live from Keith? Write an equation to sol 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 0.06 liter

Performance Assessment Task Chapter 4

See the Chapter Resources for a Performance Task that assesses students' understanding of the content of this chapter.

For each task, you will find sample student work for each of the response levels in the task scoring rubric.

Performance Assessment Tasks may be used for portfolios.

Be sure to assign students Exercise 7 in the Personal Math Trainer. It features an animation or video to help students model and solve the problem.