

Name _____

Chapter Review

1. Rita is hiking along a trail that is 13.7 miles long. So far she has hiked along one tenth of the trail. How far has Rita hiked?

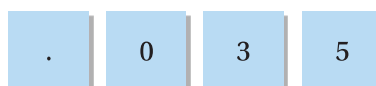
_____ miles

2. Use the numbers on the tiles to complete each number sentence. You can use a tile more than once or not at all.

$$35.5 \div 1 = \square$$

$$35.5 \div 10 = \square$$

$$35.5 \div 100 = \square$$



3. Tom and his brothers caught 100 fish on a weeklong fishing trip. The total weight of the fish was 235 pounds.

Part A

Write an expression to find the weight of 1 fish. Assume that the weight of each fish is the same.

Part B

What is the weight of 1 fish?

_____ pounds

Part C

Suppose Tom and his brothers caught 10 fish instead of 100 fish, but the total weight of the fish stayed the same. How would the weight of each fish change? Explain.

4. Draw a model to show $5.5 \div 5$.

$5.5 \div 5 =$

5. Emma, Brandy, and Damian will cut a rope that is 29.8 feet long into 3 jump ropes. Each of the 3 jump ropes will be the same length. Write a division sentence using compatible numbers to estimate the length of each rope.

6. Karl drove 617.3 miles. For each gallon of gas, the car can travel 41 miles. Select a reasonable estimate of the number of gallons of gas Karl used. Mark all that apply.

- ☐ A 1.5 gallons
- ☐ B 1.6 gallons
- ☐ C 15 gallons
- ☐ D 16 gallons
- ☐ E 150 gallons

7. Donald bought a box of golf balls for \$9.54. There were 18 golf balls in the box. About how much did each golf ball cost?

8. Luke cut down a tree that was 28.8 feet tall. Then he cut the tree into 6 equal pieces to take it away. What is the length of each piece?

_____ feet

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9. Jazmine is making some floral arrangements. The table shows the prices for one-half dozen of each type of flower.

Prices For $\frac{1}{2}$ Dozen Flowers	
Rose	\$5.29
Carnation	\$3.59
Tulip	\$4.79

Part A

Jazmine wants to buy 6 roses, 4 carnations, and 8 tulips. She estimates that she will spend about \$14 on these flowers. Do you agree? Explain your answer.

Part B

Along with the flowers, Jazmine bought 4 packages of glass beads and 2 vases. The vases cost \$3.59 each, and the total sales tax was \$1.34. The total amount she paid for the flowers, glass beads, and vases was \$28.50, including sales tax. Explain a strategy she could use to find the cost of 1 package of glass beads.

10. Les is sending 8 identical catalogs to one of his customers. If the package with the catalogs weighs 6.72 pounds, how much does each catalog weigh?

_____ pound(s)

11. Divide.

5)6.55

12. Isabella is buying art supplies. The table shows the prices for the different items she buys.

Part A

Isabella spends \$2.25 on poster boards. How many poster boards does she buy?

_____ poster boards

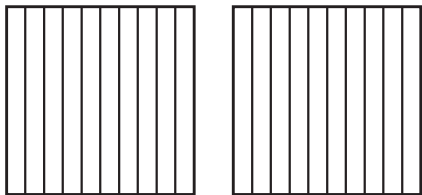
Art Supplies	
Item	Price
Glass beads	\$0.28 per ounce
Paint brush	\$0.95
Poster board	\$0.75
Jar of paint	\$0.99

Part B

Isabella spends \$4.87 on paint brushes and paint. How many of each item does she buy? Explain how you found your answer.

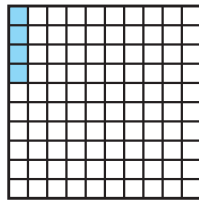
13. Shade the model and then circle to show $1.4 \div 0.7$.

1.4 ÷ 0.7 =

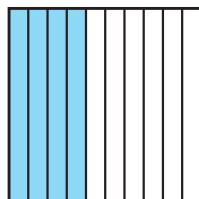


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14. Tabitha bought peppers that cost \$0.79 per pound. She paid \$3.95 for the peppers. How many pounds of peppers did she buy? Use a decimal model.



15. Hank has a large bag of trail mix that weighs 2.4 pounds. He uses the mix in the large bag to make small bags each containing 0.6 pound of mix. How many small bags containing 0.6 pound can Hank make? Use a decimal model.



_____ bags

16. Shareen walked a total of 9.52 miles in a walk-a-thon. If her average speed was 4 miles per hour, how long did it take Shareen to complete the walk?

_____ hours

17. For Problems 17a–17c, choose Yes or No to indicate whether the quotient is true.

17a. $1.4 \div 5 = 0.28$

☐ Yes

☐ No

17b. $2.52 \div 6 = 4.2$

☐ Yes

☐ No

17c. $2.61 \div 3 = 0.087$

☐ Yes

☐ No

18. Lisandra made 22.8 quarts of split pea soup for her restaurant. She wants to put the same amount of soup into each of 15 containers. How much soup should Lisandra put into each container?

_____ quarts

19. Percy is making doll scarves from a roll of cloth that is 5.25 feet long. He will cut the cloth into 3 equal lengths.

Part A

Draw a model to show how long Percy will cut each length of cloth.

Part B

Complete the number sentence.

5.25 ÷ 3 = _____

20. Who drove the fastest? Select the correct answer.
- A

Harlin drove 363 miles in 6 hours.

C

Shanna drove 500 miles in 8 hours.
- B

Kevin drove 435 miles in 7 hours.
- D

Hector drove 215 miles in 5 hours.

22. Eric spent \$22.00, including sales tax, on 2 jerseys and 3 pairs of socks. The jerseys cost \$6.75 each and the total sales tax was \$1.03. Fill in the table with the correct prices.

Item	Cost
Cost of each jersey	
Cost of each pair of socks	
Cost of sales tax	