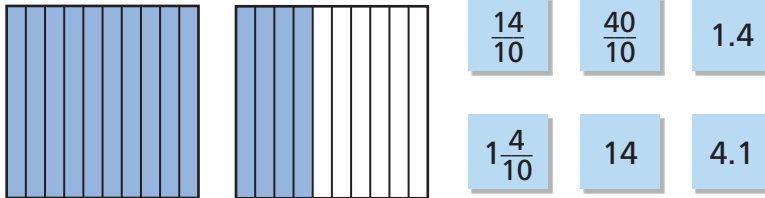


Chapter 9 Review/Test



1. Select a number shown by the model. Mark all that apply.



2. Rick has one dollar and twenty-seven cents to buy a notebook. Which names this money amount in terms of dollars? Mark all that apply.

- A 12.7
- B 1.027
- C \$1.27
- D 1.27
- E $1\frac{27}{100}$
- F $\frac{127}{10}$

3. For numbers 3a–3e, select True or False for the statement.

- 3a. 0.9 is equivalent to 0.90. True False
- 3b. 0.20 is equivalent to $\frac{2}{100}$. True False
- 3c. $\frac{80}{100}$ is equivalent to $\frac{8}{10}$. True False
- 3d. $\frac{6}{10}$ is equivalent to 0.60. True False
- 3e. 0.3 is equivalent to $\frac{3}{100}$. True False

4. After selling some old books and toys, Gwen and her brother Max had 5 one-dollar bills, 6 quarters, and 8 dimes. They agreed to divide the money equally.

Part A

What is the total amount of money that Gwen and Max earned? Explain.

Part B

Max said that he and Gwen cannot get equal amounts of money because 5 one-dollar bills cannot be divided evenly. Do you agree with Max? Explain.

5. Harrison rode his bike $\frac{6}{10}$ of a mile to the park. Shade the model. Then write the decimal to show how far Harrison rode his bike.



Harrison rode his bike _____ mile to the park.

6. Amaldo spent $\frac{88}{100}$ of a dollar on a souvenir pencil from Zion National Park in Utah. What is $\frac{88}{100}$ written as a decimal in terms of dollars?

7. Tran has \$5.82. He is saving for a video game that costs \$8.95.

Tran needs _____ more to have enough money for the game.

Name _____

8. Cheyenne lives $\frac{7}{10}$ mile from school. A fraction in hundredths equal to $\frac{7}{10}$ is _____.

9. Write a decimal in tenths that is **less** than 2.42 but **greater** than 2.0.

10. **Go DEEPER** Kylee and two of her friends are at a museum. They find two quarters and one dime on the ground.

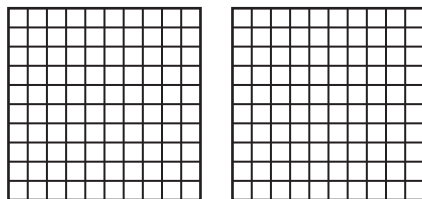
Part A

If Kylee and her friends share the money equally, how much will each person get? Explain how you found your answer.

Part B

Kylee says that each person will receive $\frac{2}{10}$ of the money that was found. Do you agree? Explain.

11. Shade the model to show $1\frac{52}{100}$. Then write the mixed number in decimal form.



12. Henry is making a recipe for biscuits. A recipe calls for $\frac{5}{10}$ kilogram flour and $\frac{9}{100}$ kilogram sugar.

Part A

If Henry measures correctly and combines the two amounts, how much flour and sugar will he have? Show your work.

Part B

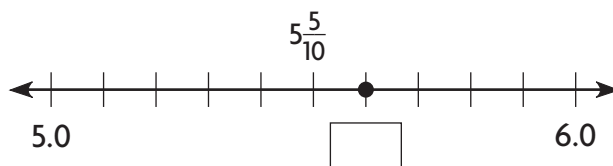
How can you write your answer as a decimal?

13. An orchestra has 100 musicians. $\frac{4}{10}$ of them play string instruments—violin, viola, cello, double bass, guitar, lute, and harp. What decimal is equivalent to $\frac{4}{10}$?

14. Complete the table.

\$ Bills and Coins	Money Amount	Fraction or Mixed Number	Decimal
8 pennies		$\frac{8}{100}$	0.08
	\$0.50		0.50
		$\frac{90}{100}$ or $\frac{9}{10}$	0.90
4 \$1 bills 5 pennies			4.05

15. The point on the number line shows the number of seconds it took an athlete to run the forty-yard dash. Write the decimal that correctly names the point.

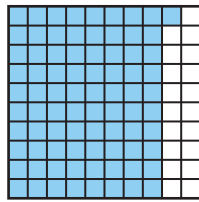


Name _____

16. Ingrid is making a toy car. The toy car is $\frac{5}{10}$ meter high without the roof. The roof is $\frac{18}{100}$ meter high. What is the height of the toy car with the roof? Choose a number from each column to complete an equation to solve.

$$\frac{5}{10} + \frac{18}{100} = \begin{array}{|c|} \hline \frac{5}{100} \\ \hline \frac{15}{100} \\ \hline \frac{50}{100} \\ \hline \end{array} + \begin{array}{|c|} \hline \frac{18}{100} \\ \hline \frac{81}{100} \\ \hline \frac{18}{10} \\ \hline \end{array} = \begin{array}{|c|} \hline \frac{68}{10} \\ \hline \frac{32}{100} \\ \hline \frac{68}{100} \\ \hline \end{array} \text{ meter high.}$$

17. Callie shaded the model to represent the questions she answered correctly on a test. What decimal represents the part of the model that is shaded?



represents

Personal Math Trainer



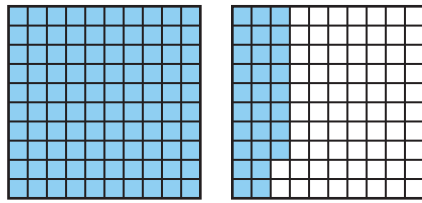
18. **THINK SMARTER +** For numbers 18a–18f, select True or False for the inequality.

- 18a. $0.21 < 0.27$ True False
- 18b. $0.4 > 0.45$ True False
- 18c. $\$3.21 > \0.2 True False
- 18d. $1.9 < 1.90$ True False
- 18e. $0.41 = 0.14$ True False
- 18f. $6.2 > 6.02$ True False

19. Fill in the numbers to find the sum.

$$\frac{4}{10} + \frac{\boxed{}}{100} = \frac{8}{\boxed{}}$$

20. Steve is measuring the growth of a tree. He drew this model to show the tree's growth in meters. Which fraction, mixed number, or decimal does the model show? Mark all that apply.



- (A) 1.28 (D) $2\frac{8}{100}$
 (B) 12.8 (E) $1\frac{28}{100}$
 (C) 0.28 (F) $1\frac{28}{10}$

21. Luke lives 0.4 kilometer from a skating rink. Mark lives 0.25 kilometer from the skating rink.

Part A

Who lives closer to the skating rink? Explain.

Part B

How can you write each distance as a fraction? Explain.

Part C

Luke is walking to the skating rink to pick up a practice schedule. Then he is walking to Mark's house. Will he walk more than a kilometer or less than a kilometer? Explain.