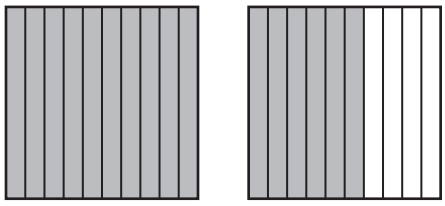
1. Select a number shown by the model. Mark all that apply.



6.1	16	1.6
$\frac{60}{10}$	$\frac{16}{10}$	$1\frac{6}{10}$

2. Ryan sold a jigsaw puzzle at a yard sale for three dollars and five cents. Which names this amount? Mark all that apply.

(A) 35.0

(B) $3\frac{5}{100}$

(C) \$3.05

(D) 3.05

(E) 3.50

(F) $\frac{305}{10}$

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

3a. 0.2 is equivalent to $\frac{2}{100}$. ○ True ○ False

3b. $\frac{1}{10}$ is equivalent to 0.10. ○ True ○ False

3c. $\frac{70}{100}$ is equivalent to $\frac{7}{10}$. ○ True ○ False

3d. 0.60 is equivalent to $\frac{6}{100}$. ○ True ○ False

3e. 0.3 is equivalent to 0.30. ○ True ○ False

GO ON

4. After selling some lemonade and cookies, Vivian and her brother Gil had 7-one dollar bills, 8 quarters, and 6 dimes. They agreed to divide the money equally.

Part A

What is the total amount of money that Vivian and Gil earned? Explain.

Part B

Gil said that he and Vivian cannot get equal amounts of money because 7 one-dollar bills cannot be divided evenly. Do you agree with Gil? Explain.

5. Trisha walked $\frac{9}{10}$ of a mile to school. Shade the model. Then write the decimal to show how far Trisha walked.

Trisha walked _____ mile to school.

6. Cora paid $\frac{65}{100}$ of a dollar to buy a postcard from Grand Canyon National park in Arizona. What is $\frac{65}{100}$ written as a decimal in terms of dollars?

7. Chaz needs $4.77 for new batteries. He has $2.80. He needs _____ more to have enough money for the batteries.

GO ON

8. Matthew walks $\frac{4}{10}$ mile to Zach's house. A fraction in hundredths equal to $\frac{4}{10}$ is _____.

9. Write a decimal in tenths that is **less** than 3.81 but **greater** than 3.0.

10. Maya and three of her friends have three quarters and one nickel to spend.

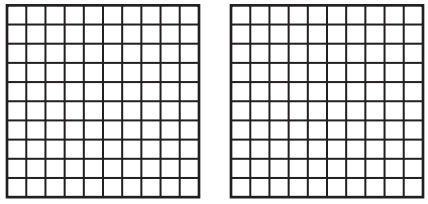
Part A

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

Part B

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

11. Shade the model to show $1\frac{68}{100}$. Then write the mixed number in decimal form.



GO ON

12. Jen is making a recipe for pancakes. A recipe calls for $\frac{4}{10}$ kilogram flour and $\frac{12}{100}$ kilogram sugar.

Part A

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

Part B

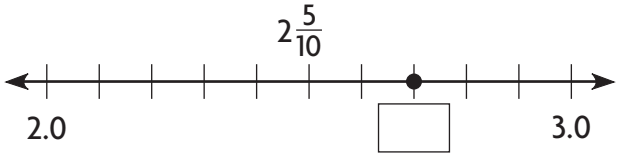
How can you write your answer as a decimal?

13. The U.S. Senate in Washington D.C. has 100 elected members. Last year, 30 senators ran for re-election. What decimal is equivalent to $\frac{30}{100}$?

14. Complete the table.

$ Bills and Coins	Money Amount	Fraction or Mixed Number	Decimal
4 pennies		$\frac{4}{100}$	0.04
	$0.50		0.50
		$\frac{60}{100}$ or $\frac{6}{10}$	0.60
2 $1 bills 8 pennies			2.08

15. The point on the number line shows the number of miles Emily rides her bike. Write the decimal that correctly names the point.

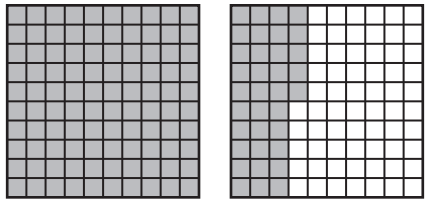


GO ON

16. Julian is building a birdhouse. The house is $\frac{21}{100}$ meter high without the roof. The roof is $\frac{3}{10}$ meter high. What is the height of the birdhouse with the roof? Choose a number from each column to complete an equation to solve.

$$\frac{3}{10} + \frac{21}{100} = \boxed{\begin{matrix}\frac{31}{100} \\ \frac{30}{100} \\ \frac{3}{100}\end{matrix}} + \boxed{\begin{matrix}\frac{21}{10} \\ \frac{12}{100} \\ \frac{21}{100}\end{matrix}} = \boxed{\begin{matrix}\frac{51}{10} \\ \frac{51}{100} \\ \frac{24}{100}\end{matrix}} \text{ meter high.}$$

17. Jack drew a model to represent the number of miles from his home to the park. What decimal represents the part of the model that is shaded?



represents _____

18. For numbers 18a–18f, select True or False for the inequality.

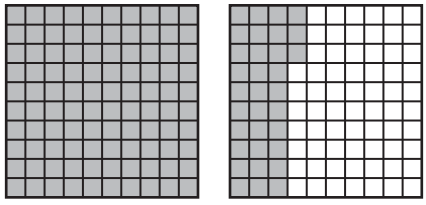
18a. $0.2 > 0.25$	○ True	○ False
18b. $0.32 < 0.65$	○ True	○ False
18c. $4.8 > 4.08$	○ True	○ False
18d. $0.13 = 0.31$	○ True	○ False
18e. $\$4.16 > \$0.16$	○ True	○ False
18f. $3.4 < 3.40$	○ True	○ False

19. Fill in the number to find the sum.

$$\frac{2}{10} + \frac{\square}{100} = \frac{50}{100}$$

GO ON

20. Charlie's model shows the number of hours he exercised yesterday. Which fraction, mixed number, or decimal does the model show? Mark all that apply.



Ⓐ 1.33

Ⓑ $1\frac{33}{100}$

Ⓒ 133

Ⓓ $1\frac{3}{100}$

Ⓔ 13.3

Ⓕ $1\frac{33}{10}$

21. Gene lives 0.6 miles from school. Kate lives 0.51 miles from school.

Part A

Who lives closer to school? Explain.

Part B

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

Part C

Gene is walking to school to get a book he forgot. Then he is walking to Kate's house. Will he walk more than a mile or less than a mile? Explain.