

4.NF.5

1. The trail around Lenape Lake is 0.8 mile long. What fraction is equivalent to 0.8?
 - a. $0/8$
 - b. $1/8$
 - c. $8/10$
 - d. $8/100$

2. Melissa lives 0.6 kilometer from her school. Which fraction is equivalent to 0.6?
 - a. $1/6$
 - b. $6/10$
 - c. $6/100$
 - d. $0/6$

3. The U.S. Senate in Washington, D.C., has elected members who make laws for the United States. Last year 20 senators ran for reelection. Which decimal is equivalent to $20/100$?
 - a. 2.100
 - b. 0.2
 - c. 0.02
 - d. 0.002

4. Nick filled eight tenths of the pages in his stamp album. Which of the following is **not** equivalent to eight tenths?
 - a. $8/10$
 - b. 0.8
 - c. 0.80
 - d. 0.08

5. Nina walks $\frac{3}{10}$ mile to Heather's house. What fraction is equivalent to $\frac{3}{10}$?
- a. $\frac{3}{100}$
 - b. $\frac{30}{100}$
 - c. $\frac{33}{100}$
 - d. $\frac{30}{10}$
6. What is the sum of $\frac{2}{10}$ and $\frac{44}{100}$?
- a. $\frac{46}{10}$
 - b. $\frac{46}{100}$
 - c. $\frac{64}{100}$
 - d. $\frac{64}{10}$
7. David ran for $\frac{7}{10}$ of a mile. Then he walked for $\frac{14}{100}$ mile. How far did he go in all?
- a. $\frac{21}{100}$ mile
 - b. $\frac{98}{100}$ mile
 - c. $\frac{21}{10}$ mile
 - d. $\frac{84}{100}$ mile

4.NF.6

8. Lori paid $\frac{75}{100}$ of a dollar to buy a postcard from Yellowstone National Park. What is $\frac{75}{100}$ written as a decimal in terms of dollars?
- a. 0.75
 - b. 7.05
 - c. 7.5
 - d. 75

9. Matthew sold a picture book at a yard sale for four dollars and five cents. Which decimal names this money amount in terms of dollars?

- a. 4.50
- b. 4.05
- c. 0.55
- d. 0.05

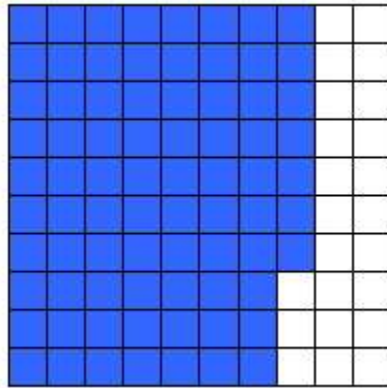
10. Douglas ran $3 \frac{1}{10}$ miles along a marathon route. What is the distance written as a decimal?

- a. 0.31 miles
- b. 3.01 miles
- c. 3.1 miles
- d. 31.0 miles

11. Carli hiked $4 \frac{7}{10}$ miles along a trail in the state park. What is the distance written as a decimal?

- a. 4.10 miles
- b. 47.10 miles
- c. 4.7 miles
- d. 4.07 miles

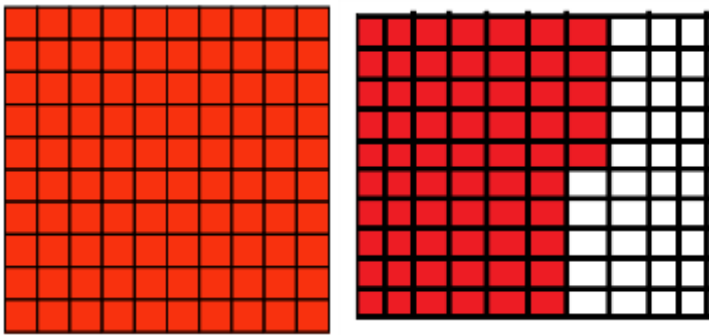
12. Thomas read 77 out of 100 pages in his book. He shaded a model to show what part of the book he read.



Which decimal represents the part of the book Thomas read?

- a. 7.7
- b. 77
- c. .077
- d. .77

13.



Diane drew a model to represent the number of miles from her home to the park. Which decimal matches the model?

- a. .65
- b. 1.45
- c. 10.65
- d. 1.65

14. The weight of a diamond is measured in carats. Mr. Wang has a diamond that weighs $1\frac{6}{100}$. Which decimal is equivalent to $1\frac{6}{100}$?
- a. 0.16
 - b. 1.06
 - c. 1.6
 - d. 6.16

4.NF.7

15. Jimmy is comparing statistics from a baseball tournament. Which decimal is **less** than 0.5?
- a. 0.38
 - b. 0.51
 - c. 0.5
 - d. 1.05
16. Patty is comparing the data she collected from her science experiment. Which decimal is **greater** than 0.42?
- a. 0.24
 - b. 0.39
 - c. 0.41
 - d. 0.5
17. Susie is comparing decimals. Which statement is **true**?
- a. $0.88 = 0.80$
 - b. $0.88 < 0.9$
 - c. $0.88 > 0.9$
 - d. $0.8 < 0.07$

18. A bunch of grapes weighs 0.61 of a pound. Which decimal is **less** than .61?

- a. 0.6
- b. 0.7
- c. 1.06
- d. 1.2

19. Which decimal is **less** than 3.32 but **greater** than 3.0?

- a. 3.33
- b. 2.90
- c. 3.10
- d. 0.32

20. Kathy walked $\frac{8}{10}$ of a mile to school. What decimal is **less** than $\frac{8}{10}$?

- a. 0.08
- b. 8.8
- c. 8
- d. 1.8

21. Darcy is comparing decimals. Which statement is **true**?

- a. $0.8 > 0.83$
- b. $0.38 = 0.83$
- c. $0.38 < 0.3$
- d. $0.35 > 0.3$

4.NF.5

4.NF.6

4.NF.7

Solutions

4.NF.5

1. The trail around Lenape Lake is 0.8 mile long. What fraction is equivalent to 0.8?
 - a. $0/8$
 - b. $1/8$
 - c. $8/10$
 - d. $8/100$

2. Melissa lives 0.6 kilometer from her school. Which fraction is equivalent to 0.6?
 - a. $1/6$
 - b. $6/10$
 - c. $6/100$
 - d. $0/6$

3. The U.S. Senate in Washington, D.C., has elected members who make laws for the United States. Last year 20 senators ran for reelection. Which decimal is equivalent to $20/100$?
 - a. 2.100
 - b. 0.2
 - c. 0.02
 - d. 0.002

4. Nick filled eight tenths of the pages in his stamp album. Which of the following is **not** equivalent to eight tenths?
 - a. $8/10$
 - b. 0.8
 - c. 0.80
 - d. 0.08

5. Nina walks $\frac{3}{10}$ mile to Heather's house. What fraction is equivalent to $\frac{3}{10}$?
- a. $\frac{3}{100}$
 - b. $\frac{30}{100}$
 - c. $\frac{33}{100}$
 - d. $\frac{30}{10}$
6. What is the sum of $\frac{2}{10}$ and $\frac{44}{100}$?
- a. $\frac{46}{10}$
 - b. $\frac{46}{100}$
 - c. $\frac{64}{100}$
 - d. $\frac{64}{10}$
7. David ran for $\frac{7}{10}$ of a mile. Then he walked for $\frac{14}{100}$ mile. How far did he go in all?
- a. $\frac{21}{100}$ mile
 - b. $\frac{98}{100}$ mile
 - c. $\frac{21}{10}$ mile
 - d. $\frac{84}{100}$ mile

4.NF.6

8. Lori paid $\frac{75}{100}$ of a dollar to buy a postcard from Yellowstone National Park. What is $\frac{75}{100}$ written as a decimal in terms of dollars?
- a. 0.75
 - b. 7.05
 - c. 7.5
 - d. 75

9. Matthew sold a picture book at a yard sale for four dollars and five cents. Which decimal names this money amount in terms of dollars?

- a. 4.50
- b. 4.05
- c. 0.55
- d. 0.05

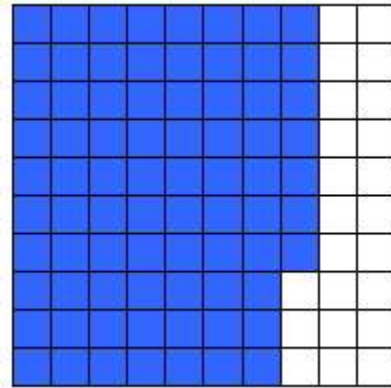
10. Douglas ran $3 \frac{1}{10}$ miles along a marathon route. What is the distance written as a decimal?

- a. 0.31 miles
- b. 3.01 miles
- c. 3.1 miles
- d. 31.0 miles

11. Carli hiked $4 \frac{7}{10}$ miles along a trail in the state park. What is the distance written as a decimal?

- a. 4.10 miles
- b. 47.10 miles
- c. 4.7 miles
- d. 4.07 miles

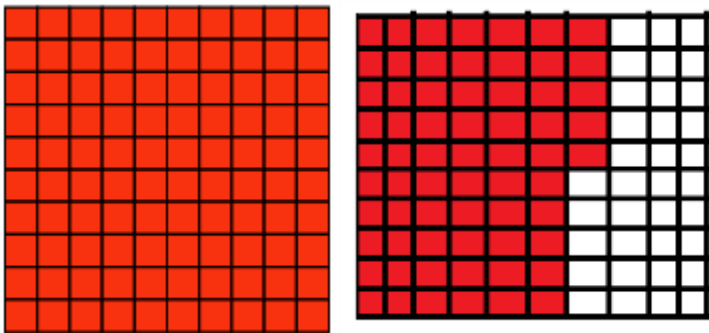
12. Thomas read 77 out of 100 pages in his book. He shaded a model to show what part of the book he read.



Which decimal represents the part of the book Thomas read?

- a. 7.7
- b. 77
- c. .077
- d. .77

13.



Diane drew a model to represent the number of miles from her home to the park. Which decimal matches the model?

- a. .65
- b. 1.45
- c. 10.65
- d. 1.65

14. The weight of a diamond is measured in carats. Mr. Wang has a diamond that weighs $1\frac{6}{100}$. Which decimal is equivalent to $1\frac{6}{100}$?
- a. 0.16
 - b. 1.06
 - c. 1.6
 - d. 6.16

4.NF.7

15. Jimmy is comparing statistics from a baseball tournament. Which decimal is **less** than 0.5?
- a. 0.38
 - b. 0.51
 - c. 0.5
 - d. 1.05
16. Patty is comparing the data she collected from her science experiment. Which decimal is **greater** than 0.42?
- a. 0.24
 - b. 0.39
 - c. 0.41
 - d. 0.5
17. Susie is comparing decimals. Which statement is **true**?
- a. $0.88 = 0.80$
 - b. $0.88 < 0.9$
 - c. $0.88 > 0.9$
 - d. $0.8 < 0.07$

18. A bunch of grapes weighs 0.61 of a pound. Which decimal is **less** than .61?

- a. 0.6
- b. 0.7
- c. 1.06
- d. 1.2

19. Which decimal is **less** than 3.32 but **greater** than 3.0?

- a. 3.33
- b. 2.90
- c. 3.10
- d. 0.32

20. Kathy walked $\frac{8}{10}$ of a mile to school. What decimal is **less** than $\frac{8}{10}$?

- a. 0.08
- b. 8.8
- c. 8
- d. 1.8

21. Darcy is comparing decimals. Which statement is **true**?

- a. $0.8 > 0.83$
- b. $0.38 = 0.83$
- c. $0.38 < 0.3$
- d. $0.35 > 0.3$