



TABE

Math-E

Unit-4 FRACTIONS

REVIEW

Revised: October 16, 2023

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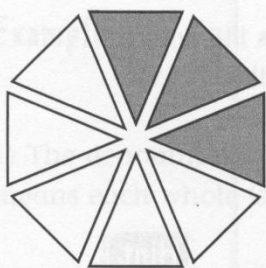
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# Math-E - Unit-4 - Review

## Unit 4 Review: Fractions

Read each question. Select the correct answer.

1. Which fraction represents the shaded area?



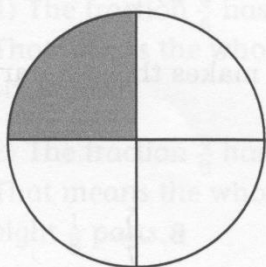
- A.  $\frac{3}{5}$                       B.  $\frac{5}{3}$   
 C.  $\frac{3}{8}$                       D.  $\frac{5}{8}$

2. Which symbol correctly compares the fractions?



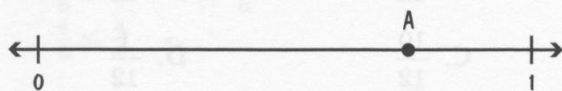
- A.  $>$                       B.  $<$   
 C.  $=$                       D.  $\leq$

3. Which term best describes the shaded area?



- A. one whole                      B. one half  
 C. one third                      D. one fourth

4. Which of the following best approximates the value of Point A?



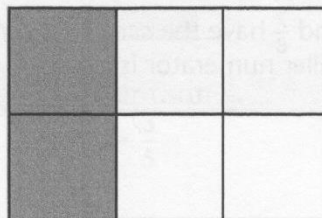
- A.  $\frac{1}{4}$                       B.  $\frac{1}{3}$   
 C.  $\frac{1}{2}$                       D.  $\frac{3}{4}$

5. Which symbol correctly compares the fractions?



- A.  $>$                       B.  $<$   
 C.  $=$                       D.  $\leq$

6. Which fraction represents the shaded area?

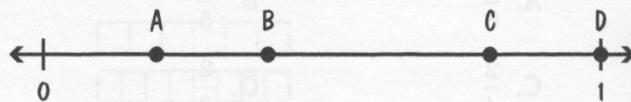


- A.  $\frac{4}{2}$                       B.  $\frac{4}{6}$   
 C.  $\frac{1}{3}$                       D.  $\frac{2}{4}$

7. Which fraction is equivalent to 5?

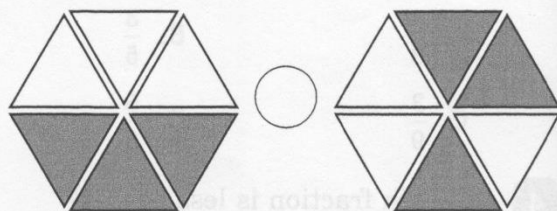
- A.  $\frac{5}{1}$                       B.  $\frac{5}{5}$   
 C.  $\frac{1}{2}$                       D.  $\frac{1}{5}$

8. Where is  $\frac{2}{5}$  located on the number line?



- A. Point A                      B. Point B  
 C. Point C                      D. Point D

9. Which symbol correctly compares the shaded areas?



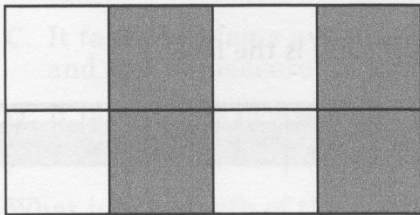
- A.  $>$                       B.  $<$   
 C.  $=$                       D.  $\leq$

# Math-E - Unit-4 - Review

10. Which number is equivalent to  $\frac{3}{3}$ ?

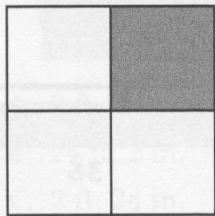
- A. 3                      B. 1  
C.  $\frac{1}{3}$                     D.  $\frac{1}{9}$

11. Select the two fractions that can be used to represent the shaded area.



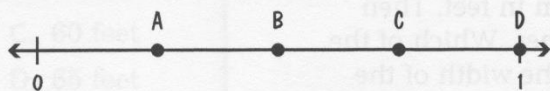
- A.  $\frac{4}{4}$                       B.  $\frac{1}{2}$   
C.  $\frac{3}{4}$                       D.  $\frac{4}{8}$

12. Which fraction represents the shaded area?



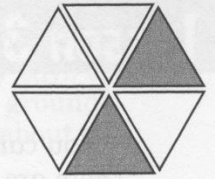
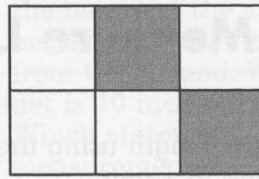
- A.  $\frac{1}{4}$                       B.  $\frac{3}{4}$   
C.  $\frac{4}{1}$                       D.  $\frac{4}{4}$

13. Josie takes a road trip. She has reached Point A. Which fraction represents the portion of Josie's trip she has completed?



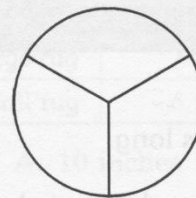
- A.  $\frac{1}{3}$                       B.  $\frac{1}{4}$   
C.  $\frac{1}{2}$                       D.  $\frac{2}{3}$

14. Which correctly describes the models?



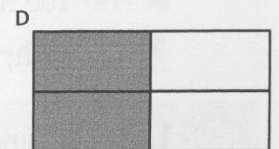
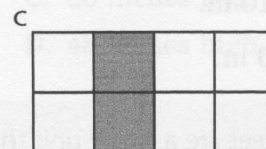
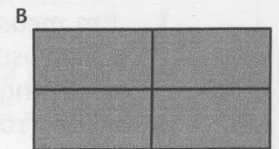
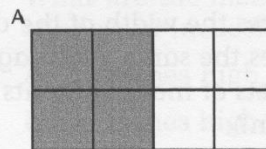
- A. The left model shows  $\frac{2}{8}$ , and the shaded areas on the left are greater than those on the right.  
B. The left model shows  $\frac{2}{5}$ , and the shaded areas on the left are less than those on the right.  
C. Each model shows  $\frac{2}{3}$ , and the shaded areas are equal.  
D. Each model shows  $\frac{2}{6}$ , but the shaded areas cannot be compared, because the models are different sizes.

15. Which of the following correctly describes the size of each part of the circle?



- A. halves                      B. thirds  
C. fourths                    D. sixths

16. Which of the following figures have the same fraction of area shaded?



- A. A and C                      B. C and D  
C. A and D                      D. B and D

# Math-E - Unit-4 - Review

## Unit 4

## Review: Fractions

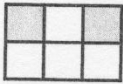
1. C. There are 8 parts in the whole. 3 parts are shaded. 3.NF.1
2. A.  $\frac{4}{6}$  is greater than  $\frac{2}{6}$ . When the denominators are the same, the fraction with the greater numerator is greater. 3.NF.3.d
3. D. The figure has four equal parts to the whole. One fourth is shaded. 2.G.3
4. D. The point is more than halfway between 0 and 1. 3.NF.2.a
5. B.  $\frac{4}{9}$  is less than  $\frac{4}{5}$ . When the numerators are the same, the fraction with the larger denominator is smaller. 3.NF.3.d
6. C. The rectangle is divided into 6 pieces, and 2 pieces are shaded. If the middle horizontal line were removed, the figure would have 3 pieces.  $\frac{1}{3}$  is an equivalent fraction to  $\frac{2}{6}$ . 3.NF.3.b
7. A. Any whole number can be represented as a fraction having a denominator of 1. 3.NF.3.c
8. B. Each section is  $\frac{1}{5}$ . Point B is located at  $\frac{2}{5}$ . 3.NF.2.b
9. C. The two figures are the same size with the same fractional pieces. Each has 3 out of 6 pieces shaded in different arrangements. 3.NF.3.a
10. B. Any number in the numerator of a fraction having a denominator with the same number is equal to 1. 3.NF.3.c
11. B, D. 4 out of the 8 equal pieces are shaded.  $\frac{1}{2}$  is an equivalent fraction to  $\frac{4}{8}$ . 3.NF.3.b, 3.NF.3.a
12. A. 1 out of 4 pieces of the square is shaded. 3.NF.1
13. B. The number line is divided into four equal parts. Point A is the first fourth, or one fourth of the way from 0 to 1. 3.NF.2.b
14. D. While both figures have 2 out of 6 pieces shaded, the figures are not equal; thus the parts cannot be compared. 3.NF.3.d
15. B. The circle is divided into 3 equal parts, or thirds. 2.G.3
16. C. The rectangles are all the same size. A and D are divided into a different number of equal parts, but the area that is shaded is the same in both figures.  $\frac{4}{8}$  is equivalent to  $\frac{1}{2}$ . 3.NF.3.a

# Math-E - Practice - Unit-4 Review

Dajon divides a circle into five parts. Which fraction names one part of the circle?

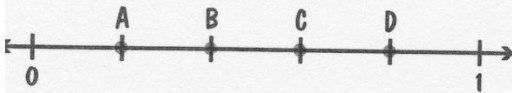
- A. one half
- B. one fourth
- C. one fifth
- D. one whole

Which two statements are true?



- A. The shaded part represents  $\frac{1}{6}$ .
- B. The shaded part represents  $\frac{2}{6}$ .
- C. The unshaded part represents  $\frac{6}{1}$ .
- D. The unshaded part represents  $\frac{6}{2}$ .
- E. The shape needs two more parts to be shaded to make a whole.
- F. The shape needs four more parts to be shaded to make a whole.

A fundraising committee raises money to add swings with accessible platforms to a local playground. They mark progress toward their fundraising goal on a number line. Which fraction represents the portion of money raised by Point C?

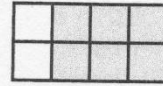


- A.  $\frac{1}{5}$
- B.  $\frac{1}{3}$
- C.  $\frac{3}{5}$
- D.  $\frac{7}{8}$

Ramona makes nine hoagies. She slices each hoagie into thirds. How many hoagie slices does Ramona have?

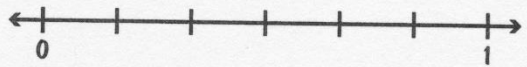
- A. 3 slices
- B. 6 slices
- C. 18 slices
- D. 27 slices

5. Which fraction represents the shaded area?



- A.  $\frac{1}{4}$
- B.  $\frac{2}{3}$
- C.  $\frac{3}{6}$
- D.  $\frac{3}{4}$

6. Enrique and Moh are working on a project with six parts. They have completed four parts. Enrique says they have finished  $\frac{2}{3}$  of their project. Moh says they have finished  $\frac{4}{6}$  of their project. Which statement is true?



- A. Enrique is incorrect.
- B. Moh is incorrect.
- C. Both are correct.
- D. Enrique is correct, and Moh is incorrect.

7. Lakisha fills  $\frac{4}{8}$  of her bathtub with water. How full is Lakisha's bathtub?

- A.  $\frac{1}{3}$  full
- B.  $\frac{2}{6}$  full
- C.  $\frac{2}{4}$  full
- D.  $\frac{2}{3}$  full

8. Jolene's manager tells her to bring  $\frac{1}{3}$  of the bananas from the back room to the counter. What fraction of the bananas does Jolene bring to the counter?

- A.  $\frac{2}{8}$  of the bananas
- B.  $\frac{2}{6}$  of the bananas
- C.  $\frac{2}{3}$  of the bananas
- D.  $\frac{3}{1}$  of the bananas

# Math-E - Practice - Unit-4 Review

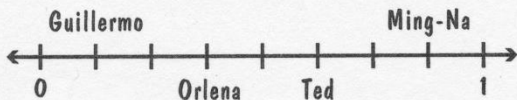
9. Haziq drives 4 half-mile segments to make deliveries. How many miles does Haziq drive?

- A. 2 miles                      B. 4 miles  
C. 6 miles                      D. 8 miles

10. Anakin sells 20 bags of trail mix. Each bag weighs  $\frac{1}{4}$  pound. How many pounds of trail mix does Anakin sell?

- A. 2 lb                              B. 3 lb  
C. 4 lb                              D. 5 lb

Use the number line to answer question 11.



11. Part A

Members of a carpool compare the remaining battery life on their phones. Which member's phone has the greatest charge?

- A. Guillermo                      B. Ming-Na  
C. Orlena                              D. Ted

Part B

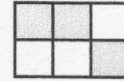
Which fraction represents the battery life on Orlena's phone?

- A.  $\frac{1}{8}$                                       B.  $\frac{1}{4}$   
C.  $\frac{3}{8}$                                       D.  $\frac{4}{8}$

12. Bob, Gerardo, Angela, and Thu each order a large cup of coffee. Bob drinks  $\frac{1}{6}$  of his coffee. Gerardo drinks  $\frac{1}{5}$  of his coffee. Angela drinks  $\frac{1}{3}$  of her coffee. Thu drinks  $\frac{1}{4}$  of her coffee. Who drinks the most coffee?

- A. Bob drinks the most coffee.  
B. Gerardo drinks the most coffee.  
C. Angela drinks the most coffee.  
D. Thu drinks the most coffee.

13. Which statement about the model is true?



- A. The shaded part is less than  $\frac{1}{6}$ .  
B. The shaded part is greater than  $\frac{5}{6}$ .  
C. The unshaded part is less than  $\frac{2}{6}$ .  
D. The unshaded part is greater than  $\frac{1}{6}$ .

14. Deb and Kwame are each knitting a ten-inch scarf. By Tuesday, Deb knit  $\frac{7}{8}$  of her scarf, and Kwame knit  $\frac{6}{8}$  of his scarf. Which comparison is true?

- A.  $\frac{7}{8} > \frac{6}{8}$   
B.  $\frac{6}{8} > \frac{7}{8}$   
C.  $\frac{6}{8} = \frac{7}{8}$   
D.  $\frac{7}{8} < \frac{6}{8}$

15. Ella sells  $\frac{2}{3}$  of the items displayed during a rummage sale. What is an equivalent fraction for  $\frac{2}{3}$ ?

- A.  $\frac{2}{6}$                                       B.  $\frac{6}{9}$   
C.  $\frac{3}{5}$                                       D.  $\frac{4}{3}$

16. Which symbol correctly compares the fractions?

$$\frac{4}{9} \square \frac{4}{5}$$

- A.  $>$                                       B.  $<$   
C.  $=$                                       D.  $\geq$

17. Which number makes the equation true?

$$\square = \frac{3}{4}$$

- A. 6                                      B. 5  
C. 4                                      D. 3

# Math-E - Practice - Unit-4 Review

## Unit 4

## Review: Fractions

pp. 68–69

1. C. A shape divided into five equal parts is divided into fifths. 2.G.3
2. B, F. 2 out of 6 parts are shaded, so the fraction for the shaded part is  $\frac{2}{6}$ . The shape needs four more parts to be shaded to make a whole. 3.NF.1
3. C. The number line is divided into fifths. Point C is the third section, or  $\frac{3}{5}$  of the way from 0 to 1. By Point C, the committee is  $\frac{3}{5}$  of the way to their goal. 3.NF.2.a
4. D. There are 3 thirds in 1 whole, so there are 27 thirds in 9 wholes. Ramona has 27 hoagie slices. 3.NF.3.c
5. D. The rectangle is divided into 8 pieces, and 6 pieces are shaded.  $\frac{3}{4}$  is an equivalent fraction to  $\frac{6}{8}$ . 3.NF.3.a
6. C. On the number lines,  $\frac{4}{6}$  is directly above  $\frac{2}{3}$ . Both Enrique and Moh are correct:  $\frac{2}{3} = \frac{4}{6}$ . 3.NF.3.a
7. C. An equivalent fraction for  $\frac{4}{8}$  is  $\frac{2}{4}$ .  $\frac{(4 \div 2)}{(8 \div 2)} = \frac{2}{4}$ . 3.NF.3.b
8. B. An equivalent fraction for  $\frac{1}{3}$  is  $\frac{2}{6}$ .  $\frac{(1 \times 2)}{(3 \times 2)} = \frac{2}{6}$ . 3.NF.3.b
9. A. There are 2 halves in 1 whole, so 4 halves equal 2 wholes. Haziq drives 2 miles. 3.NF.3.c
10. D. There are 4 fourths in 1 whole, so 20 fourths equals 5 wholes. Anakin sells 5 lb of trail mix. 3.NF.3.c
11. Part A: B. 1 represents a full charge. The number line shows Ming-Na's phone charge is closest to 1. 3.NF.3.d  
Part B: C. The number line is divided into eighths. Orlena's phone is at the third section, or  $\frac{3}{8}$  on the number line. 3.NF.2.a
12. C. When the numerators are the same, the fraction with the smaller denominator is greater. The greatest fraction is  $\frac{1}{3}$ , so Angela drinks the most coffee. 3.NF.3.d
3. D. The models shows  $\frac{3}{6}$ ;  $\frac{3}{6}$  is greater than  $\frac{1}{6}$ . 3.NF.3.d
14. A.  $\frac{7}{8} > \frac{6}{8}$ ; When the denominators are the same, the fraction with the greater numerator is greater. 3.NF.3.d
15. B. An equivalent fraction for  $\frac{2}{3}$  is  $\frac{6}{9}$ .  $\frac{(2 \times 3)}{(3 \times 3)} = \frac{6}{9}$ . 3.NF.3.b
16. B.  $\frac{4}{9} < \frac{4}{5}$ ; When the numerators are the same, the fraction with the greater denominator is smaller. 3.NF.3.d
17. A. The number that makes the equation  $\frac{\square}{8} = \frac{3}{4}$  true is 6:  $\frac{6}{8} = \frac{3}{4}$ . 3.NF.3.a