

Name _____ Date _____

Fill in the letter of the correct answer.

1. Which fraction should go in the so the fractions are in order from least to greatest?

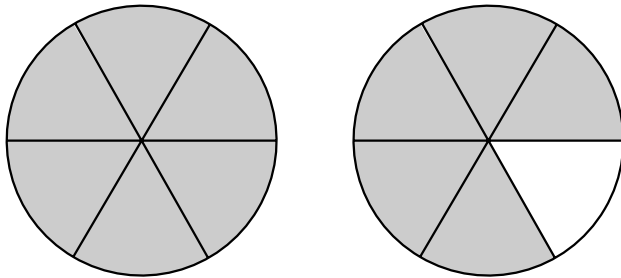
$\frac{1}{4}$	$\frac{1}{3}$	<input type="checkbox"/>	$\frac{3}{3}$
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- (A) $\frac{1}{8}$ (B) $\frac{2}{8}$ (C) $\frac{1}{2}$ (D) $\frac{1}{5}$

2. Which of the following is a pair of equivalent fractions?

- (A) $\frac{2}{4}$ and $\frac{3}{8}$ (B) $\frac{2}{8}$ and $\frac{1}{4}$ (C) $\frac{3}{6}$ and $\frac{2}{5}$ (D) $\frac{1}{10}$ and $\frac{2}{5}$

3. Which of the following is a mixed number for all of the shaded parts?



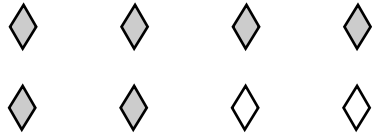
- (A) $\frac{5}{6}$ (B) $1\frac{1}{6}$ (C) $1\frac{3}{6}$ (D) $1\frac{5}{6}$

4. Mrs. Sánchez bought 3 bananas. Alex ate 2 of them. What fraction of the bananas did Alex eat?

- (A) $\frac{1}{3}$ (B) $\frac{1}{2}$ (C) $\frac{2}{3}$ (D) $\frac{3}{3}$

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Use the drawing for Questions 5–6.



5. Which of the following is a fraction for the part of the drawing that is shaded?

- (A) $\frac{7}{8}$ (B) $\frac{3}{4}$ (C) $\frac{1}{2}$ (D) $\frac{1}{4}$

6. Which of the following is a fraction for the part of the drawing that is NOT shaded?

- (A) $\frac{5}{8}$ (B) $\frac{3}{4}$ (C) $\frac{1}{2}$ (D) $\frac{1}{4}$

7. Aisha has finished reading 2 books. She is halfway through her third book. Which of the following is the mixed number for the books Aisha has read?

- (A) $1\frac{1}{2}$ (B) $2\frac{1}{2}$ (C) $2\frac{2}{3}$ (D) 3

8. Which fraction should go in the \square to make the number sentence true?

$$\frac{2}{7} + \frac{4}{7} = \square$$

- (A) $\frac{2}{7}$ (B) $\frac{6}{14}$ (C) $\frac{3}{7}$ (D) $\frac{6}{7}$

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9. Which decimals are in order from greatest to least?

- (A) 4.5 3.1 3.6 2.8 (B) 0.4 0.9 1.1 2.3
 (C) 2.3 1.7 1.2 0.9 (D) 3.4 2.8 1.7 1.9

10. What is the sum?

$$\begin{array}{r} 4.31 \\ +1.58 \\ \hline \end{array}$$

- (A) 5.89 (B) 6.89 (C) 58.9 (D) 589

11. Allison and Heather share a pizza. Allison eats $\frac{3}{8}$ of the pizza, and Heather eats $\frac{4}{8}$. What fraction of the pizza is left?

- (A) $\frac{7}{8}$ (B) $\frac{5}{8}$ (C) $\frac{2}{8}$ (D) $\frac{1}{8}$

12. Water covers $\frac{7}{10}$ of the Earth's surface. What fraction of the Earth's surface is not covered by water?

- (A) $\frac{3}{10}$ (B) $\frac{5}{10}$ (C) $\frac{3}{5}$ (D) $\frac{5}{7}$

13. Which of the following is true?

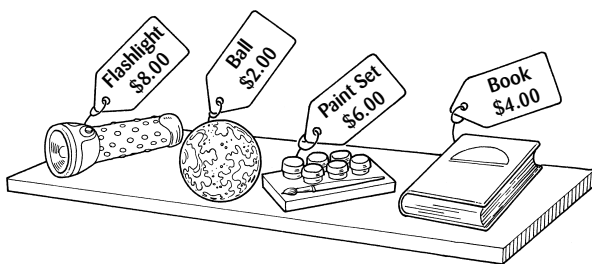
- (A) $3.0 > 2.9$
 (B) $1.8 > 2.0$
 (C) $0.07 > 0.7$
 (D) $1.34 > 1.43$

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14. It rains 3.45 inches in March and 6.08 inches in April.
 How much greater is the rainfall in April?

- (A) 1.53 inches (B) 2.63 inches
 (C) 3.63 inches (D) 9.53 inches

15. Jamal earns \$15.00 raking leaves. He puts \$7.00 into his savings account. Then he spends $\frac{3}{4}$ of the remaining money. He buys only one item. Which item does he buy?



- (A) flashlight (B) paint set (C) book (D) ball

16. Which of the following number sentences is true?

- (A) $\frac{7}{9} - \frac{5}{9} = \frac{2}{9}$ (B) $\frac{4}{5} - \frac{3}{5} = \frac{1}{10}$
 (C) $\frac{2}{7} - \frac{1}{7} = \frac{3}{14}$ (D) $\frac{6}{8} - \frac{3}{8} = \frac{1}{2}$

17. Three students brought juice to school for a breakfast party. Laquita brought 1 gallon. Collin brought $\frac{1}{2}$ gallon and Andrés brought $\frac{3}{4}$ gallon. How much juice did the students bring altogether?

- (A) 2 gallons (B) 1 gallon 7 quarts
 (C) 1 gallon 4 quarts (D) 2 gallons 1 quart

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18. Only about 0.2 of most desert land is covered by sand. The rest of the land is mostly rocks, gravel, mountains, and different kinds of soil. What is the amount of a desert not covered by sand?

Answer: _____

19. Gorki the gorilla has 18 bamboo shoots. He gives 0.5 of them to his son. Gorki eats the rest. How many bamboo shoots does Gorki eat? Explain your answer.

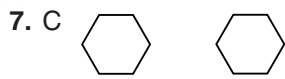
Answer: _____

20. Yuji would like to buy a notebook that costs \$3.50 and a set of markers that costs \$2.75. He had \$16.00, but he gave $\frac{1}{4}$ of his money to his brother and donated $\frac{1}{4}$ of it to the food bank. Does Yuji have enough money left to buy the notebook and markers? Tell how much Yuji has and explain whether he can or cannot buy the notebook and markers.

Answer: _____

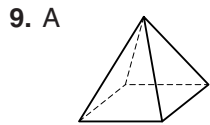


4. A pentagon [Unit Objective 6B] Maintains Standards
5. C line Y [Unit Objective 6C] Maintains Standards
6. D an angle [Unit Objective 6A] 3.01



[Unit Objective 6B] Maintains Standards

8. C 60 [Unit Objective 6F] 1.06



[Unit Objective 6B] 3.01

10. D isosceles triangles [Unit Objective 6B] 3.01
11. A similar [Unit Objective 6C] 3.01
12. A flip [Unit Objective 6D] Extends Standards
13. C 10 feet [Unit Objective 6E] Extends Standards
14. D turn [Unit Objective 6D] Extends Standards
15. B the volume of a cylinder [Unit Objective 6B] Extends Standards
16. D 36 square units [Unit Objective 6F] Extends Standards
17. B parallel [Unit Objective 6A] Extends Standards
18. 36 units.
Possible explanation: The wall is being built around the perimeter. To find the perimeter, find the sum of all the sides. [Unit Objective 6F] 1.06
19. No.
Possible explanation: The area of the floor is $8 \times 10 = 80$ square feet. $75 < 80$. [Unit Objective 6F] 1.06
20. C 8 cubic units [Unit Objective 6E] 2.02

EOG Practice Test Unit 7

1. C $\frac{1}{2}$ [Unit Objective 7C] 1.05b
2. B $\frac{2}{8}$ and $\frac{1}{4}$ [Unit Objective 7A] 1.05c
3. D $1\frac{5}{6}$ [Unit Objective 7B] 1.05e
4. C $\frac{2}{3}$ [Unit Objective 7A] 1.05a
5. B $\frac{3}{4}$ [Unit Objective 7G] 1.05c
6. D $\frac{1}{4}$ [Unit Objective 7A] 1.05c

7. B $2\frac{1}{2}$ [Unit Objective 7B] 1.05e
8. D $\frac{6}{7}$ [Unit Objective 7D] Extends Standards
9. C 2.3 1.7 1.2 0.9 [Unit Objective 7E] Extends Standards
10. A 5.89 [Unit Objective 7F] Extends Standards
11. D $\frac{1}{8}$ [Unit Objective 7D] Extends Standards
12. A $\frac{3}{10}$ [Unit Objective 7D] Extends Standards
13. A $3.0 > 2.9$ [Unit Objective 7E] Extends Standards
14. B 2.63 inches [Unit Objective 7F] Extends Standards
15. B paint set [Unit Objective 7G] Extends Standards
16. A $\frac{7}{9} - \frac{5}{9} = \frac{2}{9}$ [Unit Objective 7D] Extends Standards
17. D 2 gallons 1 quart [Unit Objective 7G] Extends Standards
18. C 0.8 [Unit Objective 7G] Extends Standards
19. 9. The decimal 0.5 is equal to the fraction $\frac{1}{2}$. $\frac{1}{2}$ of 18 is 9. [Unit Objective 7E] Extends Standards
20. Yes. Possible explanation: $\$3.50 + \$2.75 = \$6.25$, the amount Yuji needs. $\frac{1}{4}$ of $\$16.00 = \4.00 . He gave away $\$4.00 + \$4.00 = \$8.00$, leaving him with $\$8.00$. $\$8.00 > \6.25 . [Unit Objective 7G] Extends Standards

EOG Practice Test Unit 8

1. C 160 [Unit Objective 8B] 1.03b
2. B 270 [Unit Objective 8A] 1.03a
3. C 5 [Unit Objective 8F] 1.06
4. B 801 [Unit Objective 8D] 1.03a
5. D 300 [Unit Objective 8B] 1.03b
6. C 600 miles [Unit Objective 8F] 1.03a
7. D 73 [Unit Objective 8C] Extends Standards
8. A \$0.39 [Unit Objective 8E] Extends Standards
9. B \$35.16 [Unit Objective 8D] Extends Standards
10. C 3,200 kilograms [Unit Objective 8A] Extends Standards
11. B 30 [Unit Objective 8B] Extends Standards
12. A 70 [Unit Objective 8C] Extends Standards

EOG Practice Tests Question 19 has a 2-point maximum score; Question 20 has a 4-point maximum score.

4-Point Rubric for Extended-Constructed Response

4 **A 4-point response:** The correct answer is given; if the work needs to be shown, then the work is complete and shows thorough understanding of the concepts.

OR

The student answers all parts completely and correctly.

3 **A 3-point response:** The correct answer is given; if the work needs to be shown, then the work is mostly complete and shows good understanding of the concepts.

OR

A minor miscalculation leads to an incorrect answer; however, the work is complete and shows thorough understanding of the concepts.

OR

The student answers most parts completely and correctly; one part is incomplete, incorrect or not attempted.

2 **A 2-point response:** The correct answer is given; if the work needs to be shown, then the work is partially complete and shows some understanding of the concepts.

OR

A major miscalculation leads to an incorrect answer; however, the work is complete and shows thorough understanding of the concepts.

OR

The student answers about half of the parts completely and correctly; about half of the parts are incomplete, incorrect or not attempted.

1 **A 1-point response:** The correct answer is given; if the work needs to be shown, then the work is incomplete and shows little understanding of the concepts.

OR

An incorrect answer is given, and the work is complete; however, the work shows some understanding of the concepts.

OR

The student answers only one of the parts correctly, the remaining parts are incomplete, incorrect or not attempted.

0 **A 0-point response:** The work was not attempted; shows little or no understanding of the concept.

OR

The student does not completely and correctly answer any of the parts.

2-Point Rubric for Short-Constructed Response

2	A 2-point response: The correct answer is given; if the work needs to be shown, then the work is complete and shows thorough understanding of the concepts. OR The student answers all parts completely and correctly.
1	A 1-point response: The correct answer is given; if the work needs to be shown, then the work is at least partially complete and shows some understanding of the concepts. OR A minor miscalculation leads to an incorrect answer; however, the work is complete and shows thorough understanding of the concepts. OR The student answers half of the parts completely and correctly; half of the parts are incomplete, incorrect or not attempted.
0	A 0-point response: The work was not attempted or shows little or no understanding of the concept. OR The student does not completely and correctly answer any of the parts.

1 Point Rubric for Short-Constructed Response

1	A 1-point response: The correct answer is given; if the work needs to be shown, then the work is complete and shows thorough understanding of the concepts.
0	A 0-point response: The work was not attempted or shows little or no understanding of the concept.