

TEST NAME: **Number Systems (NS.7-NS.8)**  
TEST ID: **174937**  
GRADE: **06**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **School Assessment**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which inequality is true?

- A.  $-4 > -2$
- B.  $-6 < -8$
- C.  $-10 > -12$
- D.  $-14 < -16$

2. Which fraction is closest in value to 0.39?

- A.  $\frac{1}{3}$
- B.  $\frac{2}{5}$
- C.  $\frac{3}{8}$
- D.  $\frac{9}{25}$

3. The results of a 1-km race are shown in the table below.

<b>Name</b>	<b>Time (minutes)</b>
Keith	4.040
Eric	4.019
Trevor	4.159
Ron	4.007

Who ran the race in the least amount of time?

- A. Keith
- B. Eric
- C. Trevor
- D. Ron

4. In Antarctica, the low temperatures for 5 days were  $-43$ ,  $-41$ ,  $-45$ ,  $-46$ , and  $-49$  degrees Celsius. Which list shows these temperatures in order from coldest to warmest?

- A  $-41, -43, -49, -46, -45$
- B  $-49, -46, -45, -43, -41$
- C  $-45, -46, -49, -41, -43$
- D  $-41, -43, -45, -46, -49$

5. Melissa made her own pizza with toppings. She covered  $\frac{1}{6}$  of the pizza with mushrooms,  $\frac{1}{3}$  with sausage,  $\frac{1}{4}$  with pepperoni, and  $\frac{1}{12}$  with olives. Which topping covered the largest amount of the pizza?

- A mushrooms
- B sausage
- C pepperoni
- D olives

6. What is the largest number in the list below?

$$\frac{16}{20}, \frac{19}{25}, \frac{26}{30}, \frac{28}{35}$$

- A  $\frac{16}{20}$
- B  $\frac{19}{25}$
- C  $\frac{26}{30}$
- D  $\frac{28}{35}$

7. A triangle has vertices located at  $M(3, 3)$ ,  $N(3, -1)$ , and  $O(6, -1)$ . What is the length of line segment  $MN$ ?
- A. 2 units
  - B. 3 units
  - C. 4 units
  - D. 6 units
8. Square  $PQRS$  has vertices at  $P(-2, 4)$ ,  $Q(-2, -1)$ ,  $R(3, -1)$ , and  $S(3, 4)$ . What is the length of side  $PS$ ?
- A. 5 units
  - B. 6 units
  - C. 7 units
  - D. 8 units
9. On the coordinate plane, what is the distance between the points  $(-3, -4)$  and  $(-3, 8)$ ?
- A. 4 units
  - B. 7 units
  - C. 11 units
  - D. 12 units
10. Point  $P(-5, 6)$  and Point  $Q(-5, -8)$  are on a coordinate plane. What is the distance between these two points?
- A. 2 units
  - B. 8 units
  - C. 10 units
  - D. 14 units

11. In a coordinate plane, a line segment has endpoints at  $(22, -34)$  and  $(22, 7)$ . What is the length of the line segment?
- A. 22 units
  - B. 27 units
  - C. 41 units
  - D. 44 units
12. What is the distance between the points  $(2, 7)$  and  $(2, -15)$ ?
- A. 4 units
  - B. 7 units
  - C. 8 units
  - D. 22 units