

**Chapter 6 Integer Operations & Rational Numbers PRACTICE Test**

1. Which of the following statements is false?

- a.  $11 < 13$
- b.  $-13 > -11$
- c.  $-11 > -13$
- d.  $13 > 11$

2. Order the integers from least to greatest.

10, -2, 2, -8, 12

- a. 2, -8, 12, 10, -2
- b. -8, -2, 2, 10, 12
- c. -8, -2, 2, 12, 10
- d. 12, 10, 2, -2, -8

3. Which number could be used to represent the position relative to sea level of a submarine completely under water?

- a. 100 feet
- b. -100 feet
- c. 0 feet

4. An elevator started on the 4th floor. It went up 2 floors, down 3 floors, up 9 floors, and down 8 floors. On what floor did the elevator finally stop?

Answer: \_\_\_\_\_

5. Lisa owns a business. There was a profit of \$7 on Tuesday and a profit of \$14 on Wednesday. On Thursday there was a profit of \$6 and on Friday there was a loss of \$11. Find the total profit or loss.

Answer: \_\_\_\_\_

6. You are asked to divide two integers,  $a$  and  $b$ . If  $a$  is negative and  $b$  is negative, will the product be positive or negative?

Answer: \_\_\_\_\_

**Find the sum, difference, product, or quotient.**

7.  $-11 + 5$

\_\_\_\_\_

8.  $-100 \div 20$

\_\_\_\_\_

9.  $-1 + (-19)$

\_\_\_\_\_

10.  $-18 - 3$

\_\_\_\_\_

11.  $14 - 23$

\_\_\_\_\_

12.  $-6(-6)$

\_\_\_\_\_

13.  $8(-4)$

\_\_\_\_\_

14.  $-28 \div (-2)$

\_\_\_\_\_

**Find the mean of the integers.**

15.  $-12, 7, -6, -15, 1$

\_\_\_\_\_

Circle to indicate if the number is rational or irrational.

If rational, write it in  $\frac{a}{b}$  form.

16. 0.5          rational or irrational

a.  $\frac{5}{5}$

b.  $-\frac{1}{2}$

c.  $\frac{5}{1}$

d.  $\frac{1}{2}$

Complete the statement using  $<$ ,  $>$ , or  $=$ .

17.  $-2\frac{3}{5}$  ?  $-2.3$

a.  $>$

b.  $<$

c.  $=$

Order the rational numbers from least to greatest.

SHOW YOUR WORK!

18.  $-6.25, 0.32, -\frac{14}{5}, \frac{3}{4}, -2\frac{1}{2}$

a.  $0.32, \frac{3}{4}, -\frac{14}{5}, -2\frac{1}{2}, -6.25$

b.  $0.32, \frac{3}{4}, -2\frac{1}{2}, -\frac{14}{5}, -6.25$

c.  $-6.25, -\frac{14}{5}, -2\frac{1}{2}, 0.32, \frac{3}{4}$

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Answer Section**

1. B
2. B
3. B
4. 4th floor
5. \$16 profit
6. positive
7. -6
8. -5
9. -20
10. -21
11. -9
12. 36
13. -32
14. 14
15. -5
16. D
17. B
18. C