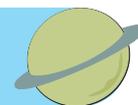


## Module Test

## A

## Module 3



Evaluate each of the following.

1.  $59 - (-22)$   
**81**

2.  $-43 + 34$   
**-9**

3.  $-98 \div 7$   
**-14**

4.  $-25 \times (-8)$   
**200**

5.  $-324 \div |-18|$   
**-18**

6.  $-37 + |-39|$   
**2**

Write a negative or positive number that represents each statement.

7. A waitress is given a \$2 tip. **+2**

8. The Lions football team received a 10-yard penalty. **-10**

9. The road was 48 feet below the cliff. **-48**

Circle the correct answer for each problem.

10. Which set of numbers is in order from least to greatest?

a. -3, 0, -2, 1

b. -3, -2, 0, 1

c. 1, 0, -2, -3

d. 0, -3, -2, 1

**-3, -2, 0, 1**

11. Which set of numbers is in order from greatest to least?

a. -1, -4, 0, -2

b. -1, -4, -2, 0,

c. -2, 0, -4, -1

d. 0, -1, -2, -4

**0, -1, -2, -4**

12. Which of the following has the greatest value?

a.  $-|-15|$

b. -17

c.  $-(-15)$

d.  $|-17|$

**$|-17|$**

13. Which of the following has the least value?

a.  $|-3|$

b.  $-(-2)$

c.  $-|-4|$

d.  $-|1|$

**$-|-4|$**

14. How many zero pairs have to be placed in the workspace to subtract negative five from negative four using counters?

- a. 0                      b. 1                      c. 3                      d. 4  
**1**

15. Evaluate  $|-25 - (-17)|$ .

- a. 8                      b. 17                      c. 25                      d. 42  
**8**

16. Evaluate  $(-19) + 19 + (-15)$ .

- a. -19                      b. -15                      c. 15                      d. 19  
**-15**

17. Name the integer which when added to negative seven will equal 16.

- a. -23                      b. -9                      c. 9                      d. 23  
**23**

18. Evaluate  $(-5)(-2)(-3) + 6$ .

- a. -36                      b. -24                      c. 24                      d. 36  
**-24**

19. To add  $5 + (-7)$  on a number line,

- a. start at -7 and move right 5 units.      b. start at -7 and move left 5 units.      c. start at 5 and move right 7 units.      d. start at 5 and move left 7 units.  
**d**

20. Water is draining out of a pond at a rate of 15 gallons per hour.

Currently, the pond has 300 gallons of water. How many gallons of water did the pond have three hours ago?

- a. 255 gallons      b. 285 gallons      c. 315 gallons      d. 345 gallons  
**345 gallons**

21. Which has the greatest value?

- a.  $(-15)(5)$       b.  $(-15) \div 5$       c.  $-15 + 5$       d.  $-15 - 5$   
 **$(-15) \div 5$**

22. Which has the same value as  $(-21) \times |-8|$ ?

- a.  $21 \times (-8)$       b.  $21 \times 8$       c.  $(-21) \times (-8)$       d.  $|-21| \times |-8|$   
 **$21 \times (-8)$**

**Answer the questions in the space provided.**

23. Find all possible pairs of integers that have a quotient of negative eight, and when the smaller integer is subtracted from the larger integer, the difference is 27.

**24 and -3; 3 and -24**

24. A helipad for a helicopter is located on the ground at zero feet. A helicopter leaves the helipad and ascends 500 feet per minute for seven minutes and descends at a rate of 300 feet per minute for four minutes. Where is the helicopter after 11 minutes? Explain how you got your answer.

**Possible answer: rate  $\times$  time = distance. The ascending rate is +500 ft/min. The descending rate is -300 ft/min. Both times are positive. Add together the distance up and down.**

$$(+500)(7) + (-300)(4)$$

$$3500 + -1200$$

$$2300$$

**2300 feet above the helipad**

25. Explain how to subtract  $3 - 5$  using counters.

**Possible answer: I put three positive counters in the workspace. I need to remove five positive counters and add two zero pairs. There are now five positive counters and two negative counters. I then remove the five positive counters. There are two negative counters in the workspace. So,  $3 - 5 = -2$ .**

