

Test, Form 2A

SCORE _____

Write the letter for the correct answer in the blank at the right of each question.

1. Which integer represents a 5-yard loss?

A. $|5|$ B. $|-5|$ C. 5 **D. -5**1. **D** -5

2. What is the value of
- $|-7|$
- ?
- ← ABSOLUTE VALUE IS ALWAYS POSITIVE*

F. 7 G. $-|-7|$ H. 14 I. -72. **F** 7

3. What is the value of
- $|5| + |-2|$
- ?

A. -7 B. -3 C. 3 **D. 7**

$$\begin{array}{l} |5| + |-2| \\ 5 + 2 = 7 \end{array}$$

3. **D** 7

4. Which integers represent A and B on the number line?

F. A, -3; B, -5 **H. A, 3; B, -5**

G. A, -3; B, 5 I. A, -5; B, 3

4. **H** A = 3
B = -5

5. Which value of
- q
- makes
- $-15 - (-9) = q$
- a true sentence?

A. -24 **B. -6** C. 6 D. 245. **B** -6

6. A snake
- dives**
- towards
- deeper**
- water at a rate of
- 14**
- inches per second. If the snake continues at this rate for a total of 6 seconds, which expression represents this situation?

F. $6(-14)$ G. $-6(-14)$ H. $6 \div 14$ I. $6 \div (-14)$ 6. **F** $6(-14)$

7. Ishi has \$24 in his wallet. He pays \$8 to have his car washed. Which expression represents this situation?

A. $-24 + (-8)$ **B. $-24 + 8$** C. $24 + (-8)$ D. $24 + 8$ 7. **C** $24 + (-8)$

8. The highest point in Louisiana is Driskill Mountain at 585 feet. The lowest point is -8 feet in New Orleans. What is the difference in feet between the highest and lowest elevation points?
- SUBTRACTION*

F. 578 feet **G. 593 feet** H. 601 feet I. 609 feet

$$\begin{array}{l} 585 - (-8) \\ 585 + 8 = 593 \end{array}$$

8. **G**

9. The average daytime temperature on Venus is
- 870°F
- . The average temperature on Jupiter is
- -160°F
- . What is the difference between the average temperatures on Venus and Jupiter?
- SUBTRACT*

A. 710°F B. 730°F **C. $1,030^{\circ}\text{F}$** D. $1,050^{\circ}\text{F}$ 9. **C** $1,030^{\circ}\text{F}$

$$870 - (-160) = 870 + 160 = 1030$$

Test, Form 2A (continued)

10. An archaeologist descends 22 feet into a canyon, then climbs up 15 feet. What is his final position?

F. -37 ft G. -15 ft **H. -7 ft** I. 7 ft

$$\begin{array}{c} \downarrow -22 \uparrow +15 \\ -22 + 15 = -7 \end{array}$$

10. **H** -7

What is the value of each expression?

11. $12 + (-5)$

A. -17 B. -7 **C. 7** D. 17

11. **C** +7

12. $-8(-10) = +80$

F. -80 G. -18 H. 18 **I. 80**

12. **I** +80

13. $\frac{-48}{-24} = +2$

A. 2 B. 0.5 C. -2 D. -24

13. **A** +2

14. $-37 - 8 = -45$ $-37 + (-8) = -45$

F. -45 G. -29 H. 45 I. 296

14. **F** -45

15. $7(-3) = -21$

A. 21 B. 4 C. $-2\frac{1}{3}$ **D. -21**

15. **D** -21

Evaluate each expression if $x = -3$, $y = 8$, and $z = -4$.

16. $y - (-5)$ $8 - (-5) = 8 + 5 = 13$

16. **13**

17. xz $-3(-4) = +12$

17. **+12**

18. $-8 \div y$ $-8 \div 8 = -1$

18. **-1**

19. $x + 11$ $-3 + 11 = +8$

19. **+8**

20. yz $8(-4) = -32$

20. **-32**

21. $x + y + z$ $-3 + 8 + (-4) = -7 + 8 = +1$

21. **+1**

22. $7y$ $7(8) = +56$

22. **+56**

23. $3z$ $+3(-4) = -12$

23. **-12**

24. Graph the set of integers $\{-2, 1, -4\}$ on the number line.

