

## Chapter 1 Integers Test

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. When  $a = -9$  and  $b = -6$ , which expression has a value of  $-3$ ?
- |              |              |
|--------------|--------------|
| a. $a + b$   | c. $a - b$   |
| b. $ a + b $ | d. $ a - b $ |
2. Which list shows the integers in order from **least** to **greatest**?
- |                      |                      |
|----------------------|----------------------|
| a. $-8, -5, 0, 2, 6$ | c. $-5, -8, 0, 2, 6$ |
| b. $0, 2, -5, 6, -8$ | d. $0, -8, -5, 2, 6$ |

**Find the absolute value.**

3.  $|6|$
- |           |          |
|-----------|----------|
| a. $ -6 $ | c. $-6$  |
| b. $6$    | d. $ 6 $ |
4.  $|-6|$
- |           |         |
|-----------|---------|
| a. $ 6 $  | c. $-6$ |
| b. $ -6 $ | d. $6$  |

**Use a number line to find the sum.**

5.  $-18 + 15$
- |         |          |
|---------|----------|
| a. $33$ | c. $-3$  |
| b. $3$  | d. $-33$ |
6.  $-1 + 2$
- |        |         |
|--------|---------|
| a. $3$ | c. $-3$ |
| b. $1$ | d. $-1$ |

**Use a number line to evaluate the expression.**

7.  $-3 + 5 + 9$
- |         |          |
|---------|----------|
| a. $1$  | c. $11$  |
| b. $-7$ | d. $-11$ |
8.  $-8 - 5 + 4$
- |          |         |
|----------|---------|
| a. $9$   | c. $1$  |
| b. $-17$ | d. $-9$ |

**Evaluate the expression when  $a = -48$ ,  $b = 4$ , and  $c = -3$ .**

9.  $c + b$
- |         |         |
|---------|---------|
| a. $1$  | c. $-7$ |
| b. $-1$ | d. $0$  |

Name: \_\_\_\_\_

ID: A

10.  $-50 - a$   
a. 98  
b. -2  
c. -1  
d. -98
11.  $bc$   
a. -43  
b. -12  
c. 12  
d. 1
12.  $18 \div c$   
a. 6  
b. -54  
c. 54  
d. -6
13.  $a \div c$   
a. -12  
b. -16  
c. 16  
d. 144
14.  $\frac{a \div b}{c}$   
a. 4  
b. -4  
c. 7  
d. 64

**Evaluate the expression when  $a = -50$ ,  $b = 5$ , and  $c = -2$ .**

15.  $-11 + a$   
a. 39  
b. -61  
c. -60  
d. -63

**Add.**

16.  $2 + (-2)$   
a. 0  
b. -22  
c. 4  
d. -4
17.  $0 + (-12)$   
a. 12  
b. 0  
c. -12  
d. -120
18.  $-13 + 8$   
a. 5  
b. -5  
c. -138  
d. -21
19.  $-36 + (-11) + (-35)$   
a. -60  
b. -12  
c. -10  
d. -82

**Use a number line to find the sum or difference.**

20.  $0 - 5$   
a. 50  
b. 5  
c. -5  
d. -50

21.  $-3 - 9$   
a. 6  
b. -6  
c. 12  
d. -12

**Evaluate the expression.**

22.  $-7 + 5 - (-3)$   
a. 9  
b. -15  
c. 1  
d. -5
23.  $-7 - (-6) + 4$   
a. 5  
b. 3  
c. -17  
d. -9
24.  $(-2)^3$   
a. 8  
b. -8  
c. -6  
d. 6

**Subtract.**

25.  $-8 - (-4)$   
a. -12  
b. 12  
c. 4  
d. -4
26.  $-4 - 10$   
a. 14  
b. 6  
c. -14  
d. -6
27.  $-7 - (-17)$   
a. 24  
b. -10  
c. -24  
d. 10

**Multiply.**

28.  $-8 \cdot 3$   
a. -24  
b. -27  
c. 24  
d. -21
29.  $4 \cdot (-3)$   
a. 12  
b. -43  
c. -15  
d. -12
30.  $-10 \cdot (-10)$   
a. 110  
b. -20  
c. 100  
d. -100

Divide, if possible.

31.  $\frac{40}{-8}$

a.  $-5$

b.  $-\frac{1}{5}$

c.  $5$

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

32.  $\frac{22}{0}$

a. undefined

b.  $22$

c.  $1$

d.  $0$

33.  $75 \div (-15)$

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

b.  $5$

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

d.  $-5$

34.  $\frac{0}{7}$

a. undefined

b.  $7$

c.  $0$

d.  $1$

35.  $\frac{-36}{-4}$

a.  $9$

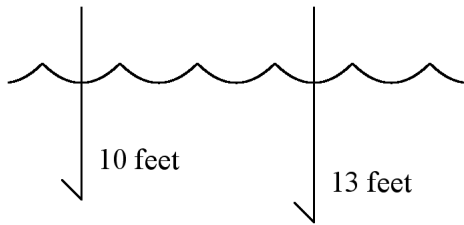
b.  $-9$

c.  $-\frac{1}{9}$

d.  $\frac{1}{9}$

**Other**

1. **Extended Response** Two fishermen are fishing from a boat at sea.



- Write an integer for the position of each fish hook relative to sea level.
- Which integer in part (a) is greater?
- Which integer in part (a) has the greater absolute value? Compare this with the position of the fish hook farther from sea level.