

Subskill # 41 Integers (Addition and Subtraction) I**Solve each problem and choose the best answer.**

- 1.** $-8 + -3 =$ A. -5
 B. -11
 C. 5
 D. 11
 E. None of the above

- 2.** $4 + -6 =$ A. -2
 B. -10
 C. 10
 D. 2
 E. None of the above

- 3.** $-5 + 12 =$ A. -7
 B. -17
 C. 17
 D. 7
 E. None of the above

- 4.** $-15 + -8 =$ A. -23
 B. -7
 C. 23
 D. 7
 E. None of the above

- 5.** $-23 + 6 =$ A. 17
 B. -17
 C. -29
 D. 29
 E. None of the above

- 6.** $2 + -18 =$ A. -20
 B. -16
 C. 16
 D. 20
 E. None of the above

- 7.** $9 - 4 + -3 =$ A. 8
 B. -2
 C. 2
 D. -8
 E. None of the above

- 8.** $|-6 + 2| =$ A. 8
 B. 4
 C. -8
 D. -4
 E. None of the above

- 9.** $-10 - (-4) =$ A. 6
 B. 14
 C. -14
 D. -6
 E. None of the above

- 10.** $7 - (-12) =$ A. -19
 B. 5
 C. -5
 D. 20
 E. None of the above

- 11.** $-3 - 24$ A. -27
 B. 27
 C. 21
 D. -21
 E. None of the above

- 12.** $-16 - (-8) =$ A. 24
 B. -24
 C. 8
 D. -8
 E. None of the above

Subskill # 41 Integers (Addition and Subtraction) I

- 13.** $18 - (-2) =$ A. -20
 B. -16
 C. 16
 D. 21
 E. None of the above

- 14.** $9 - (-14) =$ A. -23
 B. 23
 C. -5
 D. 5
 E. None of the above

- 15.** $6 - (-8) - 2 =$ A. -4
 B. -12
 C. 12
 D. 4
 E. None of the above

- 16.** -43 A. 55
 - 12 B. -55
 C. 31
 D. -31
 E. None of the above

- 17.** Auto technicians doing front-end alignment on an automobile must calculate the included angle. It is the sum of the steering axis inclination and the camber angle. If the steering angle inclination is $4\frac{1}{2}^\circ$ and the camber angle is $-1\frac{1}{4}^\circ$, what is the included angle?

- A. 4° B. $4\frac{1}{4}^\circ$
C. $3\frac{1}{4}^\circ$ D. $4\frac{3}{4}^\circ$

- 18.** What is the included angel for a car having a steering axis inclination of $6\frac{1}{2}^\circ$ and a camber angle of $-1\frac{1}{2}^\circ$?

- A. 6° B. 7°
C. $6\frac{1}{2}^\circ$ D. $7\frac{1}{2}^\circ$

- 19.** Air temperature is measured as above or below zero. Temperatures above zero are positive numbers and below zero are negative numbers. If the temperature at 5 AM is -5°F . and it rises 10°F by 11 AM, what is the temperature then?

- A. 15° B. 5° .
C. 16° D. -5°

- 20.** If the temperature is 15 degrees at 5 PM and drops 18 degrees, what is the temperature then?

- A. -23° B. -3°
C. 3° D. -15°

Subskill # 41**Integers (Addition and Subtraction) I****Answer Key**

1. B
2. A
3. D
4. A
5. B
6. B
7. C
8. B
9. D
10. E
11. A
12. D
13. E
14. B
15. C
16. B
17. B
18. A
19. B
20. B