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

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

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

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

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

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

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

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

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

11. −3 − 24
A. −27
B. 27
C. 21
D. −21
E. None of the above

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

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

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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 1/2° and the
camber angle is −1/4°, what is the
included angle?

A. 4°   B. 4 1/4°
C. 3 1/4°   D. 4 3/4°

18. What is the included angel for a car
having a steering axis inclination of 6
1/2° and a camber angle of −1/2 °?

A. 6°   B. 7°
C. 6 1/2°   D. 7 1/2°

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