MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

**Subtract.**

1. 7 - 8
   - A) 1
   - B) 15
   - C) -1
   - D) -15

2. -1 - 12
   - A) 13
   - B) -13
   - C) 11
   - D) -11

3. -13 - (-7)
   - A) 20
   - B) -20
   - C) 6
   - D) -6

4. 12 - (-11)
   - A) -23
   - B) 23
   - C) -1
   - D) 1

5. -5 - 30
   - A) 35
   - B) -25
   - C) 25
   - D) -35

6. -11 - 44
   - A) 33
   - B) -55
   - C) 55
   - D) -33

7. 31 - (-51)
   - A) -20
   - B) 82
   - C) 20
   - D) 82

8. 66 - (-23)
   - A) -89
   - B) 89
   - C) 43
   - D) -43

9. 13 - 13
   - A) 13
   - B) 0
   - C) 26
   - D) -13

10. 0 - 12
    - A) -12
    - B) 12
    - C) -(-12)
    - D) 412

11. -11 - 11
    - A) 22
    - B) -11
    - C) 0
    - D) -22

12. -5 - (-5)
    - A) 5
    - B) 0
    - C) -5
    - D) -10

13. 0 - (-6)
    - A) 0
    - B) -6
    - C) 12
    - D) 6

14. 2 - (-2)
    - A) -4
    - B) 4
    - C) 0
    - D) 2

15. 3.2 - 3.9
    - A) 0.7
    - B) -0.7
    - C) 7.1
    - D) -7.1

16. -2.6 - 10.3
    - A) 7.7
    - B) -12.9
    - C) -7.7
    - D) 12.9

17. -3.8 - 10.2
    - A) 14
    - B) 6.4
    - C) -6.4
    - D) -14

18. -6.2 - (-2.9)
    - A) 9.1
    - B) 3.3
    - C) -3.3
    - D) -9.1

19. -7.9 - (-4.6)
    - A) 12.5
    - B) -3.3
    - C) -12.5
    - D) 3.3

20. \( \frac{1}{10} - (- \frac{1}{12}) \)
    - A) \( \frac{11}{60} \)
    - B) \( \frac{1}{60} \)
    - C) \( \frac{1}{60} \)
    - D) \( \frac{11}{60} \)

21. \( \frac{1}{12} \cdot \frac{1}{3} \)
    - A) \( \frac{1}{9} \)
    - B) \( \frac{1}{30} \)
    - C) \( \frac{5}{12} \)
    - D) \( \frac{1}{4} \)

22. \( \frac{1}{3} \cdot \frac{1}{10} \)
    - A) \( \frac{1}{9} \)
    - B) \( \frac{1}{30} \)
    - C) \( \frac{7}{30} \)
    - D) \( \frac{7}{30} \)

23. \( \frac{1}{12} \cdot (- \frac{1}{2}) \)
    - A) \( \frac{5}{12} \)
    - B) \( \frac{7}{12} \)
    - C) \( \frac{5}{12} \)
    - D) \( \frac{7}{12} \)

24. \( \frac{1}{4} \cdot (- \frac{1}{9}) \)
    - A) \( \frac{13}{36} \)
    - B) \( \frac{5}{36} \)
    - C) \( \frac{5}{36} \)
    - D) \( \frac{13}{36} \)

    - A) 22
    - B) -52
    - C) -22
    - D) 52

26. Find the difference of -20 and -6.
    - A) 26
    - B) 14
    - C) -26
    - D) -14
Evaluate the expression for the given replacement values.

40) \( x \cdot y \) for \( x = -26, y = 9 \)
   A) -17
   B) 35
   C) 17
   D) -35

41) \( x \cdot y \) for \( x = -20, y = -6 \)
   A) 26
   B) 14
   C) 14
   D) -26

42) \( x \cdot y \) for \( x = 14, y = -25 \)
   A) -39
   B) -11
   C) 39
   D) 11

43) \( x \cdot y \) for \( x = -4, y = -23 \)
   A) 27
   B) 19
   C) -19
   D) -27

Simplify.

27) \( |-2| - |-13| \)
   A) 15
   B) 11
   C) -11
   D) -15

28) \( |-12| - |-6| \)
   A) -18
   B) -6
   C) 6
   D) 18

29) \( |-4| - |4| \)
   A) -8
   B) 0
   C) 4
   D) 8

30) \( |-8| - |-26| \)
   A) -34
   B) -18
   C) 34
   D) 18

Determine whether the statement is true or false.

31) \( |9 - 8| = 9 - 8 \)
   A) True
   B) False

32) \( |-9 -(-11)| = |-9| - |-11| \)
   A) True
   B) False

Simplify.

33) \( 7 + (-2) - (-4) \)
   A) 1
   B) 5
   C) -9
   D) 9

34) \( 8 - (-5) + 11 \)
   A) -8
   B) 8
   C) 24
   D) 14

35) \( 10 + 7 - (-17) \)
   A) 14
   B) 0
   C) 34
   D) -34

36) \( 2 + (-15) - (-6) + 11 \)
   A) 22
   B) 4
   C) -8
   D) -18

37) \( 4 + (-11) - 3 - (-11) \)
   A) 7
   B) -21
   C) 15
   D) 1

38) \( 15 + (-19) - 13 - (-10) + 10 \)
   A) 3
   B) 27
   C) 9
   D) -17

39) \( 9 - 0 - (-19) - 18 + (-6) \)
   A) 14
   B) 4
   C) 40
   D) 2

44) \( x - y \) for \( x = 10, y = 20 \)
   A) -30
   B) -10
   C) 10
   D) 30

Solve.

45) Joel has started a business mowing lawns for the summer. The bar graph below tracks his net income for five weeks.

Find the difference in Joel’s net income between week 2 and week 4.
   A) $355
   B) $365
   C) $147
   D) $157

46) City A has an elevation of 12,320 feet above sea level while city B has an elevation of 18,161 feet below sea level. Find the difference in elevation between those two cities.
   A) 30,481 ft
   B) 30,581 ft
   C) 5841 ft
   D) 5941 ft

47) The temperature on a December morning is -5°F at 8 a.m. If the temperature drops 4°F by 9 a.m., rises 2°F by 10 a.m., and then drops 6°F by 11 a.m., find the temperature by 11 a.m.
   A) 13°F
   B) 17°F
   C) -13°F
   D) -17°F

48) Raya has $225 in her checking account. She writes a check for $36, makes a deposit for $114, and then writes another check for $129. Find the amount left in her account.
   A) $174
   B) $54
   C) -$174
   D) -$54

49) The difference between a country’s exports and imports is called the country’s trade balance. In 1982, a country had $44 billion in exports and $220 billion in imports. What was the country’s trade balance in 1982?
   A) - 264 billion dollars
   B) - 176 billion dollars
   C) 264 billion dollars
   D) 176 billion dollars

50) In a card game, it is possible to have a negative score. If Laura’s score is 10, what is her new score if she loses 38 points?
   A) -28 points
   B) 48 points
   C) -48 points
   D) 28 points
51) The highest point at an oil drilling operation is the top of the 78-foot-high oil drilling rig. The lowest point the drill head has reached so far is -219 feet. How far above the drill head is the top of the oil drilling rig?
   A) 297 ft  B) 141 ft  C) -297 ft  D) -219 ft

52) Kerry owed $190, borrowed an additional $160, and paid back $75. How much did she still owe?
   A) - $275  B) $425  C) $275  D) $105