

SECTION 2

Time: 35 Minutes

35 Questions

Directions: For each of the following questions, mark the letter of your choice on the answer sheet.

- Which of the following is closest to 2?
(A) 2.4
(B) 1.8
(C) 1.0
(D) 0.3
- $4 \times 3 \times 6 \times 2$ is equal to the product of 24 and
(A) 6
(B) 7
(C) 8
(D) 9
- One-quarter of 10,000 =
(A) 2,500
(B) 2,000
(C) 1,500
(D) 1,000
- $6\frac{3}{4}\%$ =
(A) 67.5
(B) 6.75
(C) 0.675
(D) 0.0675
- If $6 + 12 + \underline{\hspace{1cm}} = 5 + 11 + 6$, then $\underline{\hspace{1cm}} =$
(A) 2
(B) 3
(C) 4
(D) 5
- Which pair of fractions is equivalent?
(A) $\frac{2}{3}, \frac{5}{6}$
(B) $\frac{9}{12}, \frac{5}{6}$
(C) $\frac{3}{4}, \frac{7}{8}$
(D) $\frac{4}{10}, \frac{2}{5}$
- What is the least common multiple of 3, 4, and 18?
(A) 18
(B) 24
(C) 36
(D) 54
- Which of the following is NOT equal to a whole number?
(A) $\frac{16}{4}$
(B) $6 \times \frac{2}{3}$
(C) $4 \div \frac{1}{4}$
(D) $\frac{1}{3} \times 4$
- $10 \times (0.38 + 3.5) + 5.2 =$
(A) 15.25
(B) 24.15
(C) 32.40
(D) 44
- Order from least to greatest: $\frac{3}{5}, 1\frac{1}{2}, 0.8$
(A) $\frac{3}{5}, 0.8, 1\frac{1}{2}$
(B) $0.8, 1\frac{1}{2}, \frac{3}{5}$
(C) $1\frac{1}{2}, \frac{3}{5}, 0.8$
(D) $0.8, \frac{3}{5}, 1\frac{1}{2}$
- A student buys a sandwich for 80 cents, milk for 20 cents, and pie for 30 cents. How much does the meal cost?
(A) \$1.00
(B) \$1.20
(C) \$1.30
(D) \$1.40
- The temperature at midnight was -12°C . It rose 2°C each hour. What was the temperature at 11:00 A.M.?
(A) -2°C
(B) 4°C
(C) 8°C
(D) 10°C
- Will has \$12,444.12 in his checking account. He writes checks for \$8,204.94 and \$890.99. How much is left in Will's account?
(A) \$3,348.19
(B) \$2,945.60
(C) \$2,867.30
(D) \$2,259.30
- Rachel flies 2,880 miles in 9 hours. What is the average speed of her airplane?
(A) 285 miles/hour
(B) 315 miles/hour
(C) 320 miles/hour
(D) 340 miles/hour
- Jake spent one-fifth of his life in school. If he is now 55, how many years did he spend in school?
(A) 9
(B) 11
(C) 13
(D) 15

GO ON TO THE NEXT PAGE.

16. Which of the following is NOT equal to a whole number?
- (A) $\frac{30}{5}$
 (B) $4 \times \frac{12}{16}$
 (C) $16 \div \frac{1}{16}$
 (D) $\frac{5}{9} \times 8$
17. What is the greatest common factor of 16, 24, 96, and 120?
- (A) 2
 (B) 4
 (C) 8
 (D) 12
18. Aaron has 256 cans of soup that he needs to pack into boxes that hold 30 cans each. How many cans of soup are left over after he fills as many boxes as he can?
- (A) 4
 (B) 16
 (C) 18
 (D) 22
19. $-10 - (-5 - 4) =$
- (A) -4
 (B) -3
 (C) -1
 (D) 1
20. Alex's car gets an average of 26 miles per gallon of gas on the highway. If he drives 858 miles, how many gallons of gas will he use?
- (A) 33 gallons
 (B) 57 gallons
 (C) 78 gallons
 (D) 84 gallons
21. $2 + \frac{4}{25} =$
- (A) 2.225
 (B) 2.16
 (C) 2.24
 (D) 2.45
22. $2 \times 3 \times 5 \times 6$ is equal to the product of 30 and
- (A) 6
 (B) 7
 (C) 8
 (D) 9
23. $12 + (-8) + (-9) + 6 =$
- (A) -6
 (B) -3
 (C) 0
 (D) 1
24. On a test with 75 questions, Cassidy answered 45 correctly. What percent did she answer correctly?
- (A) 60%
 (B) 72%
 (C) 84%
 (D) 89%
25. $11\frac{1}{2} - 9\frac{3}{4} =$
- (A) $2\frac{1}{8}$
 (B) 2
 (C) $1\frac{7}{8}$
 (D) $1\frac{3}{4}$
26. $\frac{3}{4} + \frac{1}{2} + \frac{2}{3} - \frac{5}{6} =$
- (A) $1\frac{1}{12}$
 (B) $1\frac{1}{3}$
 (C) $1\frac{5}{6}$
 (D) $2\frac{1}{6}$
27. $42 \div 7 \times 8 \times 5$ is equal to the product of 12 and
- (A) 16
 (B) 20
 (C) 24
 (D) 28
28. If $4 \times 3 \times \underline{\hspace{1cm}} = 5 \times 4 + 4$, then $\underline{\hspace{1cm}} =$
- (A) 2
 (B) 3
 (C) 4
 (D) 5
29. A box of laundry soap contains 200 oz. If the cost for 5 ounces is 10 cents, how much does the box of soap cost?
- (A) \$3.10
 (B) \$3.60
 (C) \$3.80
 (D) \$4.00
30. Bob's i-Pod contains 800 songs. If 240 songs are either jazz or rap songs, what percent of his collection is jazz or rap?
- (A) 15%
 (B) 20%
 (C) 25%
 (D) 30%
31. Two numbers add to 1,500. One number is 4 times the size of the other. What are the two numbers?
- (A) 300, 1,200
 (B) 200, 1,300
 (C) 500, 1,000
 (D) 750, 750
32. What is the value of $\sqrt{-25}$?
- (A) 25
 (B) 5
 (C) -5
 (D) 5i
33. $71\frac{1}{5}\% =$
- (A) 712
 (B) 71.2
 (C) 7.12
 (D) 0.712
34. The number of sixth-grade students in the Hill School is 8 more than $\frac{1}{6}$ of the whole student body. If there are 144 students in the school, how many are in sixth grade?
- (A) 26
 (B) 30
 (C) 32
 (D) 36
35. $62\frac{1}{2}\% =$
- (A) 625
 (B) 62.5
 (C) 6.25
 (D) 0.625

STOP!

If you finish before time is up, check your work on this section only.