

"Trust in the Lord with all thine heart; and lean not unto thine own understanding. In all thy ways acknowledge him, and he shall direct thy paths." - Proverbs 3:5-6

INSTRUCTIONS: Attempt all questions

1. Which of the following is not a natural number?

- A) 1
- B) 2
- C) 0
- D) 5

2. What is the set of whole numbers?

- A) {1, 2, 3, ...}
- B) {0, 1, 2, 3, ...}
- C) {-1, 0, 1, 2, ...}
- D) {-2, -1, 0, 1, 2, ...}

3. Which of the following is a prime number?

- A) 4
- B) 6
- C) 9
- D) 7

4. Which of the following numbers is an irrational number?

- A) 2
- B) $\frac{3}{4}$
- C) $\sqrt{3}$
- D) 0.5

5. What is the result of 2^4 ?

- A) 6
- B) 8
- C) 12
- D) 16

6. Which of the following is the highest common factor (HCF) of 12 and 18?

- A) 2
- B) 3
- C) 6
- D) 9

7. How many decimal places does the number 0.4567 have?

- A) 3
- B) 4
- C) 1
- D) 2

8. Convert 25% to a decimal number.

- A) 0.05
- B) 0.25
- C) 0.5
- D) 0.75

9. What is the least common multiple (LCM) of 40 and 56?

- A) 280
- B) 120
- C) 240
- D) 200

10. What is $\frac{3}{4}$ of 200?

- A) 100
- B) 150
- C) 75
- D) 50

11. The place value of the digit 7 in the number 4,527 is:

- A) 7
- B) 70
- C) 700
- D) 7,000

12. What is the face value of the digit 5 in the number 5,623?

- A) 5
- B) 50
- C) 500
- D) 5,000

13. Express the fraction $\frac{3}{8}$ as a percent.

- A) 37.5%
- B) 40%
- C) 50%
- D) 25%

14. Which is the first term in the sequence 2, 4, 6, ...?

- A) 2
- B) 4
- C) 0
- D) 1

15. What is the cube root of 27?

- A) 2
- B) 3
- C) 4
- D) 5

16. Write 0.0045 in scientific notation.

- A) 4.5×10^{-3}
- B) 45×10^{-4}
- C) 0.45×10^{-2}
- D) 4.5×10^{-4}

17. If the ratio of boys to girls is 3:2 and there are 30 boys, how many girls are there?

- A) 20
- B) 10
- C) 30
- D) 25

18. Which of the following is a composite number?

- A) 3
- B) 5
- C) 9
- D) 7

19. The decimal equivalent of the fraction $\frac{17}{10}$ is:

- A) 17
- B) 0.017
- C) 0.17
- D) 1.7

20. What is the sum of 3.45 and 2.55?

- A) 5.00
- B) 6.00
- C) 7.00
- D) 5.10

21. Express 1.25 as a fraction in simplest form.

- A) $\frac{5}{4}$
- B) $\frac{4}{5}$
- C) $\frac{1}{4}$
- D) $\frac{2}{3}$

22. Which of the following numbers is both a square number and an even number?

- A) 9
- B) 4
- C) 15
- D) 25

23. If $\frac{3}{8}$ of a number is 48, what is the number?

- A) 5×16
- B) 6×18
- C) 1×18
- D) 8×16

24. What is 15% of 200?

- A) 15
- B) 20
- C) 30
- D) 25

25. Which symbol correctly completes this statement: $3 \square 5$? (where \square is less than or greater than)

- A) $<$
- B) $=$
- C) $>$
- D) \neq

26. What is the decimal representation of the fraction $\frac{1}{40}$?

- A) 0.25
- B) 0.025
- C) 0.0025
- D) 2.5

27. If a number is multiplied by 0, what is the result?

- A) The number
- B) 1
- C) 0
- D) Undefined

28. Which of the following is an even number?

- A) 11
- B) 15
- C) 20
- D) 21

29. Order the numbers 0.125, 0.18, $\frac{1}{6}$, and 0.3 in ascending order.

- A) 0.125, $\frac{1}{6}$, 0.18, 0.3
- B) $\frac{1}{6}$, 0.125, 0.18, 0.3
- C) 0.125, 0.18, $\frac{1}{6}$, 0.3
- D) 0.18, 0.125, 0.3, $\frac{1}{6}$

30. The LCM of 9 and 6 is:

- A) 18
- B) 54
- C) 9
- D) 3

END OF ASSESSMENT