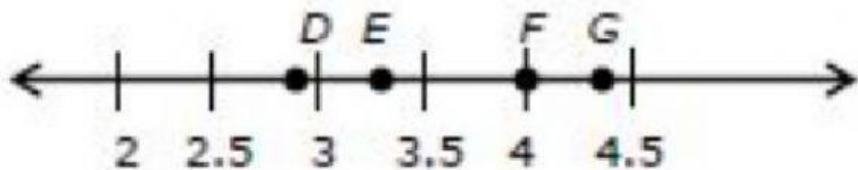


MATHEMATICS END OF TERM 1 TEST
MS. RAGBIR – 2 CENTRAL

THIS EXAM IS 60 MINUTES LONG. THERE ARE 30 MULTIPLE CHOICE QUESTIONS. YOU ARE REQUIRED TO ANSWER EACH QUESTION BY CLICKING ON THE MOST APPROPRIATE OPTION. THE TOTAL MARKS IS 30.

1. The numbers 0, 1, 2, 3, are called
 - A. Whole numbers
 - B. Integers
 - C. Rational numbers
 - D. Natural numbers
2. Numbers like -3, -2, -1, 0, 1, 2, 3 are called
 - A. Whole numbers
 - B. Integers
 - C. Rational numbers
 - D. Natural numbers
3. A rational number can be written as a fraction
 - A. True
 - B. False
4. Classify the number: -23
Choose all categories possible
 - A. Rational
 - B. Integer
 - C. Rational, integer and real
 - D. Real, irrational and whole

5. Look on the number line.
Which point on the number line best represents $\sqrt{12}$?



- A. **D** B. **E** C. **F** D. **G**

6. What is the first step in solving this problem?

$$-2 \cdot (3 + 8 \div 4)^2$$

- A. Multiplication
- B. Division
- C. Addition
- D. Subtraction

7. Solve the following:

$$-8 + (15 - 3) \div 4$$

- A. -5
- B. -11
- C. 1
- D. 11

8. True or false?

$$2 * 3 + 10 \div 2 = 8$$

- A. True
- B. False

9. Find and explain the error.

$$5 - 3 + 2$$

- A. There is no error
- B. There is a subtraction error
- C. Addition was done first and you should have subtracted first.

10. What does the (E) in PEMDAS means?

- A. Experience
- B. Exponents
- C. Examples
- D. Evidence

11. The place value of 5 in 20.5 is:

- A. $\frac{5}{10}$
- B. 5
- C. 50
- D. $\frac{5}{100}$

12. $5.9 + 2.7 - 2.2 =$

- A. 2.8
- B. 12.1
- C. 4
- D. 6.4

13. $5.6 \times 2.3 + (4.5 - 4) =$

- A. 129.3
- B. 16.98
- C. 13.38
- D. 31.66

14. 0.44×10^2

- A. 0.44
- B. 4.4
- C. 44
- D. 440

15. $331.2 \div 1000 =$

- A. 33.12
- B. 3.312
- C. .3312
- D. .03312

16. The round off value of 78.25m to the nearest 10m is

- A. 75m
- B. 80m
- C. 79m
- D. 78m

17. The correct value of 0.006472867 to three significant figures is

- A. 0.00647
- B. 0.006
- C. 0.00847
- D. 0.647

18. Round 0.1278 to the nearest thousandth

- A. 0.128
- B. 0.126
- C. 0.127
- D. 0.129

19. The number 50700 in scientific notation is

- A. 5.07×10^4
- B. 5.07×10^3
- C. 5.07×10^{-4}
- D. 5.07×10^5

20. The decimal form of 0.59×10^4

- A. 590
- B. 590000
- C. 59000
- D. 5900

21. Identify the like term sin the expression

$$11x - 15y - 19x + 18y$$

- A. $-11x, -19x; 18y, -15y$
- B. $-11x, -19y; 18y, 15y$
- C. $-11x, -19x; -18y, -15y$
- D. $-11x, 19x; 18y, -15y$

22. Identify the constant term in the expression

$$5x + 7y + 8z + 9$$

- A. 5
- B. 9
- C. 7
- D. 8

23. What is the example below called:
 $5x + 3 = 7$
- A. Expression
 - B. Equation
 - C. Terms
 - D. Coefficient
24. If $x = 5$, find the value of $7x - 1$
- A. 33
 - B. 34
 - C. 35
 - D. 36
25. Evaluate the expression for the given replacement values:
 $x^2 + y^2$ when $x = 8$ and $y = -3$
- A. 73
 - B. 48
 - C. 576
 - D. 22
26. Evaluate the expression when $x = 8$
 $7(6 + 3 - x)$
- A. 22
 - B. 27
 - C. 14
 - D. 7
27. Simplify the expression $3x - 5x$
- A. $2x$
 - B. $8x$
 - C. $-2x$
 - D. $15x^2$
28. Simplify the expression $-5(x+4)$
- A. $5x + 4$
 - B. $-5x + 4$
 - C. $-5x - 20$
 - D. $-5x + 20$

29. Evaluate the expression. Let $c=3$ and $d=2$
 $3c + 7d$

- A. 27
- B. 21
- C. 29
- D. 23

30. Which one is the coefficient?
 $6f^2 - 9$

- A. 6
- B. f
- C. 2
- D. -9