

भु•ना International School

Student Name		Grade Oth	
Date	17/07 /20	Subject	MATHEMATICS 50
	Time	Total Marks	
Choose correct of	options		[1X10 = 10]
1 The absolute	value of - 23 is		
(A) - 23	(B) 23	(C) 0	(D) None
2 The smallest	prime number is		
(A) 0	(B) 2	(C) 1	(D) None
3 Any point on	the X axis is of the form		
(A) (x, y)	(B) (x, 0)	(C) (x, -y)	(D) (0, y)
4. Which of the	following equation has g	graph parallel to Y-axis?	
(A) $y = -2$	2 (B) $x = 1$	(C) $x - y = 2$	(D) $x + y = 2$
5. A surface is th	nat which has	and the same	
(A) Length and breadth		(B) Length only	
(C) Breadth only		(D) Length and height	
6. The number o	of lines that can pass thr	ough a given point is	
(A)Two	(B) None	(C) only one	(D) infinitely many
7. The equation	12x + 5y = 7 has a uniqu	e solution, if x and y are	
(A) Natu	aral number (B) Positive Real Number		
(C) Real	Number	(D) Rational Nur	mber
8 If (2, 0) is a s	olution of the linear equa	ation $2x + 3y = k$, then th	e value of k is
(A) 4	(B) 5	(C) 6	(D) 2
9. The smalles	t whole number is		
(A) 0	(B) 2	(C) 1	(D) None
10 The numb		h	

(A) 1 (B) 2 (C) 3 (D) 0

Solve: Each carry 1 mark

11. Find the value of k, if x = 2, y = 1 is a solution of the equation 2x + 3y = k

12. If (2, 0) is a solution of the linear equation 2x + 3y = k, then the value of k is

13. The cost of a notebook is twice the cost of a pen. Write a linear equation in two variables to represent this statement. (Take the cost of a notebook to be Rs x and that of a pen to be Rs y).

14. Express the following linear equations in the form ax + by + c = 0 and indicate the values of a, b

and c in each case: 2x + 3y = 9.35

15. If (x + 2, 4) = (5, y - 2), then find the coordinates (x, y)

16. is zero a rational number? Can you write it in the form p/q, where p and q are integer's $\neq 0$?

17. TRUE OR FALSE

[1 X 10 = 10]

- (i) Every integer is a rational number
- (ii) Every rational number is a integer.
- (iii) Every whole number is a Natural number
- (iv) Every integer is a whole number
- (v) Every rational number is a whole number
- (vi) In second quadrant, abscissa of a point is negative.
- (vii) X and Y Axes are intersect each other at origin
- (viii) Point (2, 0) lie in second quadrant.
- (ix) Point (4, 2) lie in first quadrant.
- (x) A point book of whose coordinates are negative will lie in third quadrant.

Solve: Each carry 3 marks (Any four)

[3 X 4 = 12]

18. Find six rational numbers between 3 and 4

19. Locate $\sqrt{2}$ on the number line

20. Write four solution for 2x + y = 7

21. Write four solution for x - 4 y = 0

22. Express 0.6 in the form p/q

23. Find: (i) $64^{\frac{1}{2}}$ (ii) $32^{\frac{1}{5}}$

[1 X 6=6]

24. Write the coordinates of the points marked on the axes in given figure



28. Draw the graph of each of the following linear equations in two variables: x + y = 4

29. Draw the graph of each of the following linear equations in two variables: x - y = 2

