

KENDRIYA VIDYALAYA SITAPUR
P.T. 1 EXAMINATION (2023-24)
SUBJECT: MATHEMATICS
CLASS: VII

MAX. MARKS:40

DURATION: 1.30 HRS

All questions are compulsory.

Section A

Question NO. 1 to 12 are M.C.Q. Choose the correct option. Each question carries 1 mark.

1. 3×-1 equals to

- (a) 3 (b) -3 (c) 1 (d) -1

2. $50 \div -5$ equals to

- (a) -10 (b) 10 (c) 5 (d) -5^2

3. $5 - 8$ equals to

- (a) -13 (b) 13 (c) 3 (d) -3

4. $\frac{1}{2}$ of 24 equals to

- (a) 12 (b) 6 (c) 18 (d) 48

5. $12 \div \frac{3}{4}$ equals to

- (a) 12 (b) 16 (c) 18 (d) 24

6. 0.05×7 equals to

- (a) 0.35 (b) 3.5 (c) 0.035 (d) 35

7. Range of the data 12, 5, 11, 17, 7, 43, 52

- (a) 43 (b) 44 (c) 47 (d) 45

8. mode of the data 2, 3, 2, 4, 5, 6, 2, 8, 9, 2, 10, 9 is

- (a) 9 (b) 5 (c) 2 (d) 4

9. Equation for ten times a is seventy

- (a) $\frac{10}{a} = 70$ (b) $\frac{a}{10} = 70$ (c) $10a = 70$ (d) $10 + a = 70$

10. Complement of 30°

- (a) 70° (b) 150° (c) 60° (d) 90°

11. Supplement of 30°

- (a) 70° (b) 150° (c) 60° (d) 90°

12. An angle is more than 45° , its complementary angle will be

- (a) more than 45° (b) less than 45° (c) equal to 45° (d) none of these

Section B

13. Solve the following riddle

I am A number,

Tell my identity

Take me seven times over

And add a fifty

To reach a triple century

You still need forty (4)

14. Draw a double Bar graph for the following data

Favourite Sport	Cricket	Basket ball	Swimming	Hockey	Athletics
Watching	1240	470	510	430	250
Participating	620	320	320	250	105

(4)

Section C

15. In a quiz, team A scored -40, 10, 0 and team B scored 10, 0, -40 in three successive rounds. Which team scored more ? (3)

16. Lipika reads a book for $1\frac{3}{4}$ hours everyday. She reads the entire book in 6 days. How many hours in all were required by her to read the book? (3)

17. Find the mean of the following Data

58, 76, 40, 35, 46, 45, 12, 100 (3)

18. Solve for x $2x+6=12$ (3)

19. Can two angles be supplementary if both of them are

(i) acute (ii) obtuse (iii) right (3)

20. (a) Find the angle which is equal to its complement (2.5)

(b) Find the angle which is equal to its Supplement. (2.5)