

KENDRIYA VIDYALAYA SITAPUR

Class-8th.

Max Mark 40

Subject-Mathematics Time. 01.30Hours

Section A. (10x1=10 marks)

Q1. Write the additive inverse of $-\frac{7}{19}$.

Q2. Write the multiplicative inverse of $\frac{1}{5}$.

Q3. Solve the following

$$2x-2=7$$

Q4. What is a polygon?

Q5. Find the perimeter of parallelogram PQRS when side PQ=12cm and QR=7cm.

Fill in the blanks.

Q6. Zero has.....reciprocal.

Q7. The reciprocal of 5 is.....

Q8. The additive inverse of -12 is.....

Q9. If $z+2=6$ then $z=$

Q10. Sum of all interior angles of a parallelogram is

Section B. (3x2=6Marks)

Q11. Name the quadrilateral whose diagonals bisect each other.

Q12. Find the number of sides of a regular polygon whose each exterior angle has a measure of 45° .

Q13. Solve the following $2x-1=14-x$.

Section C. (4x3=12)

Q14. Arguing is twice as old as Shriya. Five years ago his age was three times Shriya's age. Find their present ages.

Q15. The measure of two adjacent angles of a parallelogram are in the ratio 3:2. Find the measure of each of the angles of the parallelogram.

Q16. Construct a Quadrilateral ABCD if AB=4.5cm BC=5.5cm CD=4cm AD=6cm and AC=7cm

Q17. Solve $\frac{15}{4}-7x=9$.

Section D. (3x4=12)

Q18. Present ages of Anu and Raj are in the ratio 4:5. Eight years from now the ratio of their ages will be 5:6. Find their present ages.

Q19. Draw a square READ with RE=5.1cm. Also write the steps of construction.

Q20. Find five rational numbers between $\frac{3}{5}$ and $\frac{3}{4}$.

