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**SAMPLE PAPER 01 : PERIODIC TEST – 1 (2017 – 18)**  
**CLASS – VIII**  
**MATHEMATICS**

**T.T. 1:30**

**M.M. 40**

**General Instructions:**

1. All questions are compulsory.
2. Question paper is divided into four sections: Section A contains 4 questions each carry 1 mark, Section B contains 4 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 4 questions each carry 4 marks.

**SECTION – A(1 marks each)**

1. Find the multiplicative inverse of  $\frac{-5}{8} \times \frac{-3}{7}$
2. Solve :  $\frac{3}{7} + x = \frac{17}{7}$
3. Solve:  $7x - 9 = 16$
4. Find the number of sides of a regular polygon whose each exterior angle has a measure of  $45^\circ$ .

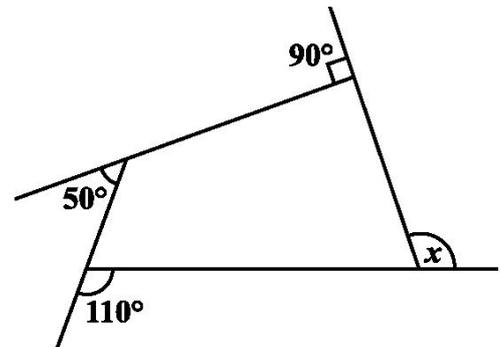
**SECTION – B(2 marks each)**

5. The sum of three consecutive multiples of 11 is 363. Find these multiples.

6. Find two rational numbers between  $\frac{1}{4}$  and  $\frac{1}{2}$

7. Solve:  $5x + \frac{7}{2} = \frac{3}{2}x - 14$

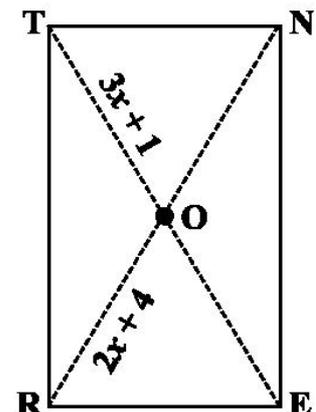
8. Find the angle measure x in the given figure:



**SECTION – C(3 marks each)**

9. Represent these numbers on the number line. (i)  $\frac{7}{4}$  (ii)  $\frac{-5}{6}$  (iii)  $\frac{4}{7}$

10. Manoj donates his one part of the rectangle land RENT to the School for village children shown in fig. Its diagonals meet at O. Find x, if  $OR = 2x + 4$  and  $OT = 3x + 1$ . Which value is depicted from this?



11. Draw a square of side 4.5 cm.

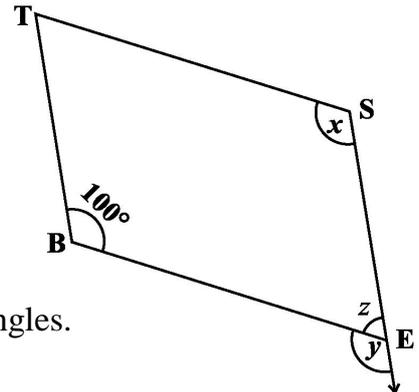
12. The shoppers who come to a departmental store are marked as: man (M), woman (W), boy (B) or girl (G). The following list gives the shoppers who came during the first hour in the morning:

W W W G B W W M G G M M W W W W G B M W B G G M W W M M W W  
W M W B W G M W W W W G W M M W W M W G W M G W M M B G G W

Make a frequency distribution table using tally marks. Draw a bar graph to illustrate it.

**SECTION – D(4 marks each)**

13. (a) In Fig, BEST is a parallelogram. Find the values  $x$ ,  $y$  and  $z$ .



(b) In a parallelogram RING, if  $m\angle R = 70^\circ$ , find all the other angles.

14. There is a narrow rectangular plot, reserved for a school, in Mahuli village. The length and breadth of the plot are in the ratio 11:4. At the rate Rs100 per metre it will cost the village panchayat Rs 75000 to fence the plot. What are the dimensions of the plot? Which value is depicted from this?

15. Construct Quadrilateral JUMP where  $JU = 3.5$  cm,  $UM = 4$  cm,  $MP = 5$  cm,  $PJ = 4.5$  cm and  $PU = 6.5$  cm

16. The number of students in a hostel, speaking different languages is given below. Display the data in a pie chart.

Language	Hindi	English	Marathi	Tamil	Bengali	Total
No. of Students	40	12	9	7	4	72

