

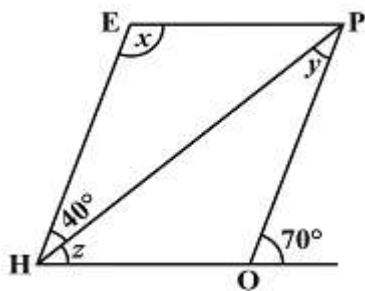
ATOMIC ENERGY CENTRAL SCHOOL # 3 (RAWATBHATA)

P T-1 (2019 -2020)

CLASS VIII
SUBJECT – MATHEMATICS

MAX. MARKS – 40
TIME -1 $\frac{1}{2}$ HOUR

1. The reciprocal of -19 is (1)
2. The opposite angles of a parallelogram are of measure. (1)
3. How many diagonals does a triangle have? (1)
4. is called the identity for addition of rational numbers. (1)
5. Find :- $\frac{2}{5} \times \frac{-3}{7} - \frac{3}{7} \times \frac{3}{5}$ (2)
6. The perimeter of rectangle is 15 cm and its width is $2\frac{3}{4}$ cm. Find its length. (2)
7. Solve the equation:-
 $8x + 4 = 3(x-1)$ (2)
8. The measures of two adjacent angles of a parallelogram are in the ratio 2:3, find the measure of each of the angles of the parallelogram. (2)
9. Find the measure of exterior angle of a regular polygon of
(i) 9 sides (ii) 15 sides (3)
10. Solve: $-\frac{2x}{3} + 1 = \frac{7x}{15} + 3$. (3)
11. The adjacent figure HOPE is a parallelogram. Find the angle measures x, y and z. (3)



12. Represent $-\frac{2}{11}$, $-\frac{5}{11}$, $\frac{4}{11}$ on the number line. (3)
13. An angle of a parallelogram is 83° . Find all the angles of the parallelogram. (4)
14. Find 4 rational numbers between $\frac{1}{4}$ and $-\frac{3}{2}$. (4)
15. The digits of a two digit number differ by 3.If the digits are interchanged,and the resulting number is added to the original number,we get 143.What is the original number? (4)
16. The sum of three consecutive multiples of 11 is 363, find the multiples. (4)