WORKSHEET-1(SESSION-2020-21)
CLASS-VIII
SUBJECT-MATHEMATICS

1. Find the value of $5 \times [6 + (-2) + 3 - (-5)]$

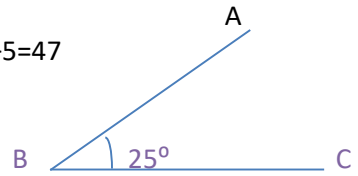
2. If we subtract -5 from -2 on which direction will we move on the number line?

3. The helicopter is flying over the sky exactly over the submarine .The helicopter is at the height of 6000m above the sea level and the submarine is 1000m below the sea level. Find the vertical distance between the helicopter and the submarine.

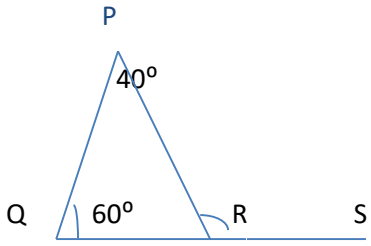
4. Sushant reads $\frac{1}{5}th$ of the book in an hour and he reads the book for $2\frac{1}{3}hr$ s. What part of the book is left to be read by him?

5. Find the value of' *l* ' in the given equation 3 *l* +5=47

6. Find the complement of the given angle :



7. Find the exterior angle ($\angle PRS$) in the given figure:



8. In a circular park of radius 20m, There is a circular garden of radius of 5m.Find the area of the park excluding the garden.

9. The measurement of a rectangular box is 7cm by 10 cm. Find its i)Area II)Perimeter.

10. For the given value of' a' and' b', verify that a- (-b) = a + b ,Where a = 16 & b = 15

11 .Find the product using suitable properties $15 \times (-18) + 15 \times (13) + 5 \times 3 \times 2 + 3 \times 5 \times (-4)$

12. In an entrance examination containing 50 questions 4 marks are awarded for every correct answer and (-1) marks for every wrong answer and' 0'marks for unattempted questions. Ajit attempted only 40 questions of which 25 were correct and 15 were wrong. Find the score.

13. Solve : $\frac{3}{10}+\frac{7}{15}+\frac{2}{5}+\frac{3}{20}$

14. Find the value of $(2^5 \div 2^{10}) \times (2^8 \div 2^4)$

15. Find the value of : $3p^2 + 2P - 1$ for p = 3

16. Find the radius and the area of a circular sheet whose circumference e is 157 cm.(π =3.14)

17. A square park of 700m length has two cross roads of 20m width Find the area of the park excluding the cross roads.

18. Find any ten rational numbers between $\frac{1}{4} and \frac{1}{2}$.

19. If you subtract $\frac{1}{2}$ from a number and multiply the result by $\frac{1}{2}$, you get $\frac{1}{8}$ .What is the number?

20.The base angles of an isosceles triangle are unknown. If the vertex angle is 50^{o},then find the base angles.