

P.S. SENIOR SECONDARY SCHOOL

STD: VI

MATHEMATICS WORKSHEET APRIL 2020

1. Vikram wants to buy a book for ₹995. He has ₹835 with him. He decided to save ₹40 a week to be able to buy that book. How many days will it take him to save enough money for the book.
2. A playground is 224m long and 126 m wide. How much distance will Viay cover in going 5 times around it?
3. Find the product of the greatest number of five digits and the smallest number of four digits.
4. 25 roses, 18 gladioli, 17 sunflowers and 39 marigolds are used to prepare a rangoli. Find the number of flowers required to prepare 28 such rangolis?
5. If 25, 35 and 'x' are in continued proportion, find the value of 'x'.
6. If a vehicle covers 180 km in 5 hours and the ratio of its speed to the speed of another vehicle is 3 : 2. What is the speed to the second vehicle?
7. A wall 9.68 m long and 6.2 m high is covered with rectangular tiles of size 44 cm by 20 cm. Find the total cost of the tiles at the rate of ₹18.50 per tile.
8. The area of a square is  $36 \text{ cm}^2$ . A rectangle has the same perimeter as the square. If the breadth of the rectangle is 4 cm, find its length.
9. Ajay is four times as old as his son. After 16 years, he will be twice as old as his son. Find his son's present ages.
10. In a triangle, the longest side is double the shortest side and the third side is 3 cm less than the longest side. If the perimeter of the triangle is 27cm, find all the sides of the triangle.
11. Solve:  $\frac{2y}{5} + 4 = \frac{y}{3} - \frac{1}{5}$
12. An oil tank contains  $29\frac{2}{5}$  litres of oil. It is then filled with  $38\frac{2}{3}$  litres of oil. Later  $55\frac{1}{9}$  litres of oil is pumped out from the tank. What is the volume of oil left in the tank in litres?
13. Find the amount of aviation fuel that will be consumed by an aeroplane to cover a distance of 49600 km at an average speed of 800 km / hr, if it consumes 400 litres of the fuel to stay up in the air for one hour.
14. Subtract the sum of 139 and -157 from the sum of -272 and 136.
15. The sum of two integers is -223. If one of them is 171, find the other.
16. Rohan opened his bank account on 1<sup>st</sup> June 2012 by depositing ₹6985. A week later he withdrew ₹4730 and finally on the last day of June 2012 he deposited ₹2395. What would be his bank balance on the first day of July 2012.
17. A box contains red, blue and green marbles in the ratio 5 : 3 : 7. If the number of green marbles in the box is 42, find the total number of marbles in the box.
18. Vinita bought some hair clips and hair bands. There were 35 more hair clips than hair bands. If the ratio between the hair clips and the hair bands is 8 : 3, find the number of each of them purchased by Vinita.
19. If 24 men can finish a piece of work in 15 days. How many men will be needed to finish it in 40 days?
20. A train travels 650 km in five hours.
  - a. How much distance will it cover in 12 hours?
  - b. How long will it take to travel 975 km?