

II- MATHEMATICS

1. $\frac{1}{2} \times \frac{4}{6} \times \frac{5}{2} = ?$
2. Simplify $\frac{2}{3} + \frac{4}{9} \times \frac{15}{2} - 2 = ?$
3. Simplify $\frac{21}{25} \div \frac{9}{20} \times \frac{5}{12} \div \frac{7}{9} = ?$
4. If $\frac{1}{3.718} = 0.2689$, then $\frac{1}{0.0003718} = ?$
5. $5978 + 6134 + 7014 = ?$
6. $9572 - 4018 - 2164 = ?$
7. $7589 - ? = 3434$
8. $587 \times 999 = ?$
9. Simplify $1.5 + 0.4(2 - 0.5) + (0.2 \times 0.8)$
10. $\frac{1}{3}$ rd of a number is 4. $\frac{3}{4}$ of the same number is 9. What is the number?
11. $\frac{1}{5}$ of a number is 25. What is the Number?
12. $\sqrt{625} = ?$
13. $8^4 = ?$
14. $10 < 12$. Write in words
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15. Three hundred and five is greater than two hundred and five. Write in Numbers by using symbol?
16. 1 inch is equal to mm.
17. 1 pound is equal to Kgs.
18. 1 gallon is equal to liters.
19. 30 cm is equal to inches.
20. 450 Kgs equal to Pounds.
21. 45 gallons equal to liters.
22. Convert 5 Kgs into liters
23. Convert 98.4°F into $^\circ \text{C}$.
24. Convert 100°C into $^\circ \text{F}$.
25. 1 Mile is equal to Meters.
26. 1 kilometer is equal to miles.
27. 1 Acre is equal to square yards.
28. What is the total of first 10 even numbers starting from 2 ?
29. 3 times of a number is 18. 4 times of the same number is 24. What is the actual number ?
30. Give example of odd numbers ?
31. Give example of even numbers ?
32. Express 3.5 in terms of % = ?
33. What % of a day is 6 hours?
34. Divide Rs.2000 among A,B,C in the ratio of 2:3:5 ?
35. $A:B = 4:5$, $B:C = 3:4$, Find $A:C$?
36. Find the average of 10, 15, 20, 25, 30 ?

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37. The average age of 25 students is 10 years. If the teacher's age is also added, the average increases by one year. What is the age of the teacher ?
38. The length of a rectangle is 500 mm and breadth is 200 mm. find the area of the rectangle in Cm^2 ?
39. Find the area of a circle of radius 70 mm?
40. A cylinder having dia of 500 mm and height of 1000 mm. Find its volume Cm^3 ?
41. How many sides are there to An hectogon?
42. What is the formula for calculation of area of a right angled triangle?
43. The side of a square is 25 mm. what is the perimeter?
44. A building is in the shape of a square. Its area is 1225 m^2 . What is its perimeter?
45. A quadrilateral triangle side is 40mm . what is its area?
46. One rectangular hall is 10 Mts. Long and 3 Mts. Width. A red carpet to be spread on the floor of the hall at a cost of Rs.60 per Sq. Mt. What is the total cost of the carpet?
47. The dia of a circle is 210 mm , what is the circumference of the circle?
48. Convert the speed of 30 Mts/sec into speed of KMPH ?
49. If a train passes 1 Km in 36 sec, what is the speed of the train?
50. Shatabdi train is running at 150 Kmph. How much time will it take to pass 5 Kms ?
51. A train travelled 52 Kms in the first hour, 60 kms in second hour and 58 Kms in Third hour .Find the average speed of the train?
52. An express speed is 110 KMPH. What is its speed in Mt/sec. ?
53. A train of 600 Mts. Long is running at 75 kmph and it crosses a tunnel in one min. what is the length of tunnel?
54. An athlete runs 200 meters race in 24 seconds. What is his speed in Kmph?
55. A shop keeper sold a watch for Rs.440 and gained 10% profit. What is the actual cost of Watch?
56. A shop keeper buys an article at Rs200. And sold at Rs235. What is the profit in percentage?
57. Six tables and four chairs cost is Rs.80000. If three tables cost is Rs.30000. What is the cost of each chair ?
58. LCM of 5,10,15,20 is?
59. The age of father is four times that of son. The sum of ages of both son and father is 35. What is the age of son ?
60. The cost of 10 books is Rs.75. find the value of 15 books?

End