

1. The additive inverse of $\frac{-17}{-11}$ is ?
2. The value of $(-2)^3$ is equal to ?
3. The scientific notation for the number 0.00000005748 is?
4. Which of the following number to be added with 283 to make it perfect square ?
5. The value of $\sqrt[3]{-125} \times \sqrt[3]{-512}$ is ?
6. If $x87$ is divisible by 9 , then the least value of x is ?
7. If $x8y1z$ is divisible by 9 , then the least value of $(x+y+z)$ is ?
8. An article costing ₹ 1600 was sold for ₹1200 . Find loss/profit percentage .
9. On selling an article for ₹ 100.8 a shopkeeper gains 12 % .Find CP .
10. The SP of an article is ₹ 150 and gain is 30 .Find gain % .
11. Simple interest on a sum pf ₹2000 for 3 years at 5% per annum is ?
12. The simple interest on a sum for 2years at 8% per annum is ₹ 800 . The sum is ?
13. If $x + \frac{1}{x} = 11$, then the value of $x^2 + \frac{1}{x^2}$ is ?
14. If $2x - \frac{1}{2x} = 3$, then the value of $4x^2 + \frac{1}{4x^2}$ is ?
15. The simplified form of $\frac{6.17 \times 6.17 - 3.83 \times 3.83}{2.34}$ is ?
16. The greatest common factor of the expressions $-15x^3y^3z, 20xyz^2, 30xy^2z^3$ is
17. The range of the data 25, 18, 20, 22, 16, 6, 17, 15, 12, 5, 30, 52, 10, 19, 8, 11, 59 and 10 is
18. The solution of the equation $-ax + b = 0$ is where a, b are constants and $a \neq 0$ is
19. The measure of each interior angle of a regular polygon having 24 sides is ?
20. A trapezium whose area is 700 sq cm and sum of the lengths of parallel sides is 14 cm the its height will be ?
21. The total surface area of a cube is 726 cm^2 , then its volume is ?
22. A card is drawn at random from a well-shuffled pack of 52 cards . The probability of getting a red face card is ?



23. If $y + \frac{6}{7} = 8\frac{6}{7}$ the y is equal to ?
24. The are of a square whose diagonal is 18 cm is ?
25. The ratio of the area of square to that to of a square drawn on diagonal is ?
26. The parallel sides of a trapezium are in the ratio 3:5 . The area of the trapezium is 384 sq cm and distance between the parallel sides is 12 cm . The length of the smaller parallel side is ?
27. The altitude of a rhombus whose area is 175 sq cm and perimeter is 100 cm is ?
28. If the volume of a right circular cylinder is 6160 cube cm , its radius is 14 cm , then find its height .
29. The volume of a cube whose diagonal is $7\sqrt{3}$ cm is ?
30. The edge of a cuboid are in ratio 1:2:3 and its TSA is 198 sq cm . Find volume .
31. If $\frac{1}{x} - \frac{1}{y} = \frac{1}{z}$ the find z.
32. The multiplicative inverse of $\frac{-13}{18}$ is ?
33. BY which the rational number $-2\frac{1}{3}$ be multiplied to get $-8\frac{3}{4}$ as a product ?
34. The reciprocal of $(\frac{5}{7})^{-3}$ is ?

