



MATHS CLASS 9 BATCH

Basic Maths

DPP-01

1. The value of expression $\frac{1}{4} \left[\left(a + \frac{1}{a} \right)^2 - \left(a - \frac{1}{a} \right)^2 \right]$ is [Ans : 1]
2. What is the value of $\left(\frac{1}{2} \div \frac{1}{2} \times \frac{1}{2} + \frac{1}{2} - \frac{1}{2} + \frac{1}{2} \times \frac{1}{2} \div \frac{1}{2} \right)$ of $\left(\frac{1}{2} + \frac{1}{2} \right)$ [Ans : 1]
3. Simplify $\sqrt{3\frac{33}{64}} \div \sqrt{9\frac{1}{7}} \times 2\sqrt{3\frac{1}{9}}$ [Ans : $2\frac{3}{16}$]
4. $\sqrt[3]{1 - \frac{127}{343}}$ is equal to [Ans : $1 - \frac{1}{7}$]
5. If $\sqrt[3]{3^n} = 27$, then the value of n is: [Ans : 9]
6. The value of $(\sqrt{4^3 + 15^2})^3$ is: [Ans : 4913]
7. $1 + \frac{1}{1 + \frac{1}{5}} = ?$ [Ans : $\frac{11}{6}$]
8. The value of $\frac{2\frac{1}{3} - 1\frac{2}{11}}{3 + \frac{1}{3 + \frac{1}{3 + \frac{1}{3}}}}$ is [Ans : $\frac{38}{109}$]
9. The value of $4 - \frac{5}{1 + \frac{1}{3 + \frac{1}{2 + \frac{1}{4}}}}$ is [Ans : $\frac{1}{8}$]
10. Find the value of $2.8 + (5.2 \div 1.3 \times 2) - 6 \times 3 \div 8 + 2$ [Ans : 10.55]



