

- When $12\sqrt{15}$ is divided by $4\sqrt{3}$, the quotient is:
a. $3\sqrt{5}$ b. $5\sqrt{3}$ c. $3\sqrt{3}$ d. $5\sqrt{5}$
- Between $\frac{1}{7}$ and $\frac{1}{8}$ we can insert:
a. No irrational number b. infinitely many rational numbers
c. Infinitely many integers d. only one rational number
- Which of the following numbers is an irrational number?
a. $2.\bar{3}$ b. $\sqrt{0.09}$ c. $\sqrt{5}$ d. $\frac{3}{7}$
- $\left(\frac{81}{625}\right)^{\frac{1}{4}}$ is equal to:
a. $\frac{3}{5}$ b. $\frac{9}{25}$ c. $\frac{25}{9}$ d. $\frac{5}{3}$
- Express $0.\overline{57}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
- If $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a - b\sqrt{3}$, then find the value of a and b .
- Express $0.\overline{103}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
- If $\frac{3+\sqrt{2}}{3-\sqrt{2}} = a + b\sqrt{2}$, then find the values of a and b .
- Express $0.\overline{57}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
- Locate $\sqrt{5}$ on the number line.