



Advanced_Grade-9_Real Numbers

Rational Numbers

1. Give two rational numbers whose
 - (i) difference is a rational number
 - (ii) sum is a rational number
 - (iii) product is a rational number
 - (iv) division is a rational number.Justify also.
2. Arrange in descending order $\sqrt[3]{2}$, $\sqrt[4]{5}$, $7^{\frac{1}{6}}$ and $3^{\frac{1}{12}}$
3. Express $1.\overline{32} + 0.\overline{35}$ in the form $\frac{p}{q}$, where p and q are 9 integers and $q \neq 0$.
4. Express $0.\overline{6} + 0.\overline{7} + 0.4\overline{7}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.