



## Concept\_HW\_G8\_ Properties of Rational Numbers

Write true or false :

1. Multiplication is not under closure property.
2. Subtraction is not commutative.
3. Addition is not associative.
4. Rational numbers follow the distributive property for addition and subtraction.
5. The commutative property states :  $\frac{1}{3} + \frac{1}{4} = \frac{1}{4} + \frac{1}{3}$
6.  $(\frac{1}{3} + \frac{1}{4}) + \frac{1}{2} = \frac{1}{4} + (\frac{1}{3} + \frac{1}{2})$ , this is as per the commutative property.
7.  $A \times (B + C) = AB + AC$ , if A , B , C are rational numbers, then this is as per the distributive property.
8. Subtraction and division are commutative for rational numbers.

