Codeyoung

Concept_CW_G8_ Properties of Rational Numbers

Write true or false :

1. Division is not under closure property.
2. Division is commutative.
3. Subtraction is not commutative property.
4. Rational numbers follow the associative property for addition and subtraction.
5. The distributive property states, if a, b and c are three rational numbers, then; a x (b+c) = (a x b) + (a x c)
6. $\frac{-2}{3} + \frac{5}{7} = \frac{5}{7} + \frac{-2}{3}$, this is as per the commutative property.
7. $x \times (y + z) = (x \times y) + (x \times z)$, if x , y,z are rational numbers, then this is as per the associative property.

8. Subtraction and division are not associative for rational numbers.

9. $1/2(1/6 + 1/5) = (1/2 \times 1/6) + (1/2 \times 1/5)$, is as per the distributive property.

10. $(1/3 \div 1/4) \div 1/2 = 1/4 \div (1/3 \div 1/2)$