**Select the property of real number from COLUMN II that is associated with the equation in COLUMN I.**

|  |  |  |
| --- | --- | --- |
|  | **COLUMN I** | **COLUMN II** |
|  |  | $$4ab + 0 = 4ab$$ |  | Multiplicative identity property |
|  |  | $$6 + (7 + a) = 6 + (a + 7)$$ |  | Multiplicative property of zero |
|  |  | $$ab + (-ab) = 0$$ |  | Multiplicative inverse property |
|  |  | $$\left(a⋅b^{2}\right)c=a\left(b^{2}c\right)$$ |  | Commutative property of multiplication |
|  |  | $$4⋅\frac{1}{4}=1$$ |  | Associative property of multiplication |
|  |  | $$(3x)y = y(3x)$$ |  | Transitive property of equality |
|  |  | $x=y $or$ y=x$ |  | Substitution property of equality |
|  |  | $$7(a + b) = 7(b + a)$$ |  | Additive identity property |
|  |  | $$If m=n , then 15m=15n.$$ |  | Additive inverse property |
|  |  | If $g=h$ and$ f=g$, then $h=f$. |  | Commutative property of addition |
|  |  | $$d=d$$ |  | Associative property of addition |
|  |  | $$19⋅0=0$$ |  | Reflexive property of equality |
|  |  | $$1⋅ (4x) = 4x$$ |  | Symmetric property of equality |

**ANSWER**

**Select the property of real number from COLUMN II that is associated with the equation in COLUMN I.**

|  |  |  |
| --- | --- | --- |
|  | **COLUMN I** | **COLUMN II** |
| **H** |  | $$4ab + 0 = 4ab$$ |  | Multiplicative identity property |
| **K** |  | $$6 + (7 + a) = 6 + (a + 7)$$ |  | Multiplicative property of zero |
| **I** |  | $$ab + (-ab) = 0$$ |  | Multiplicative inverse property |
| **E** |  | $$\left(a⋅b^{2}\right)c=a\left(b^{2}c\right)$$ |  | Commutative property of multiplication |
| **C** |  | $$4⋅\frac{1}{4}=1$$ |  | Associative property of multiplication |
| **D** |  | $$(3x)y = y(3x)$$ |  | Transitive property of equality |
| **M** |  | $x=y $or$ y=x$ |  | Substitution property of equality |
| **J** |  | $$7(a + b) = 7(b + a)$$ |  | Additive identity property |
| **G** |  | $$If m=n , then 15m=15n.$$ |  | Additive inverse property |
| **F** |  | If $g=h$ and$ f=g$, then $h=f$. |  | Commutative property of addition |
| **L** |  | $$d=d$$ |  | Associative property of addition |
| **B** |  | $$19⋅0=0$$ |  | Reflexive property of equality |
| **A** |  | $$1⋅ (4x) = 4x$$ |  | Symmetric property of equality |