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

|  |  |  |
| --- | --- | --- |
|  | **COLUMN I** | **COLUMN II** |
|  |  | $$6ab + 0 = 6ab$$ |  | Multiplicative identity property |
|  |  | $$5 + (8 + b) = 5 + (b + 8)$$ |  | Multiplicative property of zero |
|  |  | $$cd + (-cd) = 0$$ |  | Multiplicative inverse property |
|  |  | $$\left(2a⋅3b^{2}\right)4c=2a\left(3b^{2}.4c\right)$$ |  | Commutative property of multiplication |
|  |  | $$x⋅\frac{1}{x}=1$$ |  | Associative property of multiplication |
|  |  | $$(5x)y = y(5x)$$ |  | Transitive property of equality |
|  |  | $a=b $or$ b=a$ |  | Substitution property of equality |
|  |  | $$4(x + y) = 4(y + x)$$ |  | Additive identity property |
|  |  | $$If a=b , then 15a=15b.$$ |  | Additive inverse property |
|  |  | If $x=z$ and$ y=z$, then $x=y$. |  | Commutative property of addition |
|  |  | $$t=t$$ |  | Associative property of addition |
|  |  | $$20⋅0=0$$ |  | Reflexive property of equality |
|  |  | $$1⋅ (10x) = 10x$$ |  | 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** |  | $$6ab + 0 = 6ab$$ |  | Multiplicative identity property |
| **K** |  | $$5 + (8 + b) = 5 + (b + 8)$$ |  | Multiplicative property of zero |
| **I** |  | $$cd + (-cd) = 0$$ |  | Multiplicative inverse property |
| **E** |  | $$\left(2a⋅3b^{2}\right)4c=2a\left(3b^{2}.4c\right)$$ |  | Commutative property of multiplication |
| **C** |  | $$x⋅\frac{1}{x}=1$$ |  | Associative property of multiplication |
| **D** |  | $$(5x)y = y(5x)$$ |  | Transitive property of equality |
| **M** |  | $a=b $or$ b=a$ |  | Substitution property of equality |
| **J** |  | $$4(x + y) = 4(y + x)$$ |  | Additive identity property |
| **G** |  | $$If a=b , then 15a=15b.$$ |  | Additive inverse property |
| **F** |  | If $x=z$ and$ y=z$, then $x=y$. |  | Commutative property of addition |
| **L** |  | $$t=t$$ |  | Associative property of addition |
| **B** |  | $$20⋅0=0$$ |  | Reflexive property of equality |
| **A** |  | $$1⋅ (10x) = 10x$$ |  | Symmetric property of equality |