



Do You Remember How to Utilize the Properties of the Real Number System?

- (1) $4 + 5 = 5 + 4$ is an example of what Real Number System property?
- (2) $3 \cdot (7 \cdot 8) = (3 \cdot 7) \cdot 8$ is an example of what Real Number System property?
- (3) $b \cdot 1 = b$ is an example of what Real Number System property?
- (4) $m \cdot n = n \cdot m$ is an example of what Real Number System property?
- (5) $7(x - 2) = 7x - 14$ is an example of what Real Number System property?
- (6) $a \cdot \frac{1}{a} = 1$ ($a \neq 0$) is an example of what Real Number System property?
- (7) $2 + (3 + 4) = (2 + 3) + 4$ is an example of what Real Number System property?
- (8) $13 + 0 = 13$ is an example of what Real Number System property?
- (9) $-10 + 10 = 0$ is an example of what Real Number System property?
- (10) $5(a + b - 3) = 5a + 5b - 15$ is an example of what Real Number System property?

Answers:

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| (1) commutative property of addition | (2) associative property of multiplication |
| (3) identity property of multiplication | (4) commutative property of multiplication |
| (5) distributive property | (6) inverse property of multiplication |
| (7) associative property of addition | (8) identity property of addition |
| (9) inverse property of addition | (10) distributive property |