

Name : _____

Score : _____ Date : _____

Properties of Multiplication

Identify the multiplication property used in each equation.

① $2 \times (5 \times 2) = (2 \times 5) \times 2$ _____

② $2 \times 7 = 7 \times 2$ _____

③ $10 \times 1 = 10$ _____

④ $2 \times 0 = 0$ _____

⑤ $4 \times (8 \times 6) = (4 \times 8) \times 6$ _____

⑥ $4 \times 8 = 8 \times 4$ _____

⑦ $(3 + 4) \times 6 = (3 \times 6) + (4 \times 6)$ _____

⑧ $5 \times 0 = 0$ _____

⑨ $11 \times 1 = 11$ _____

⑩ $12 \times (14 \times 11) = (12 \times 14) \times 11$ _____

⑪ $20 \times 0 = 0$ _____

⑫ $31 \times 1 = 31$ _____

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Answers

① $2 \times (5 \times 2) = (2 \times 5) \times 2$ Associative Property

② $2 \times 7 = 7 \times 2$ Commutative Property

③ $10 \times 1 = 10$ Identity Property

④ $2 \times 0 = 0$ Zero Property

⑤ $4 \times (8 \times 6) = (4 \times 8) \times 6$ Associative Property

⑥ $4 \times 8 = 8 \times 4$ Commutative Property

⑦ $(3 + 4) \times 6 = (3 \times 6) + (4 \times 6)$ Distributive Property

⑧ $5 \times 0 = 0$ Zero Property

⑨ $11 \times 1 = 11$ Identity Property

⑩ $12 \times (14 \times 11) = (12 \times 14) \times 11$ Associative Property

⑪ $20 \times 0 = 0$ Zero Property

⑫ $31 \times 1 = 31$ Identity Property