

Name: _____

Score: _____

Associative Property of Multiplication

Sheet 1

Identify the Associative property of multiplication from the choices below.

1) A. $12 \times 3 = 3 \times 12$ B. $(12 \times 3) \times 5 = 12 \times (3 \times 5)$ C. $12 \times 1 = 12$ D. $12 \times \frac{1}{12} = 1$ Correct Choice: <input type="checkbox"/>	2) A. $7 \times (11 \times 2) = (7 \times 11) \times 2$ B. $7 \times 11 = 11 \times 7$ C. $\frac{7}{11} \times \frac{11}{7} = 1$ D. $7 \times (11 + 2) = 7 \times 11 + 7 \times 2$ Correct Choice: <input type="checkbox"/>
3) A. $5 \times 1 = 5$ B. $5 \times (9 + 4) = 5 \times 9 + 5 \times 4$ C. $5 \times (9 \times 4) = (5 \times 9) \times 4$ D. $5 \times 9 = 9 \times 5$ Correct Choice: <input type="checkbox"/>	4) A. $2 \times (7 + 4) = 2 \times 7 + 2 \times 4$ B. $2 \times (7 \times 4) = (2 \times 7) \times 4$ C. $2 \times 7 = 7 \times 2$ D. $2 \times 1 = 2$ Correct Choice: <input type="checkbox"/>
5) A. $(6 \times 10) \times 8 = 6 \times (10 \times 8)$ B. $6 \times 10 = 10 \times 6$ C. $6 \times \frac{1}{6} = 1$ D. $6 \times (10 + 8) = 6 \times 10 + 6 \times 8$ Correct Choice: <input type="checkbox"/>	6) A. $3 \times 7 = 7 \times 3$ B. $3 \times 1 = 3$ C. $3 \times (7 + 5) = 3 \times 7 + 3 \times 5$ D. $3 \times (7 \times 5) = (3 \times 7) \times 5$ Correct Choice: <input type="checkbox"/>
7) A. $(4 \times 2) \times 7 = 4 \times (2 \times 7)$ B. $4 \times 2 = 2 \times 4$ C. $4 \times 1 = 4$ D. $4 \times \frac{1}{4} = 1$ Correct Choice: <input type="checkbox"/>	8) A. $9 \times 1 = 9$ B. $9 \times (5 \times 3) = (9 \times 5) \times 3$ C. $9 \times \frac{1}{9} = 1$ D. $9 \times (5 + 3) = 9 \times 5 + 9 \times 3$ Correct Choice: <input type="checkbox"/>
9) A. $8 \times 1 = 8$ B. $8 \times (2 + 4) = 8 \times 2 + 8 \times 4$ C. $(8 \times 2) \times 4 = 8 \times (2 \times 4)$ D. $8 \times 2 = 2 \times 8$ Correct Choice: <input type="checkbox"/>	10) A. $6 \times 1 = 6$ B. $6 \times (8 \times 3) = (6 \times 8) \times 3$ C. $6 \times 8 = 8 \times 6$ D. $6 \times \frac{1}{6} = 1$ Correct Choice: <input type="checkbox"/>

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Answer key

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Sheet 1

1) A. $12 \times 3 = 3 \times 12$ B. $(12 \times 3) \times 5 = 12 \times (3 \times 5)$ C. $12 \times 1 = 12$ D. $12 \times \frac{1}{12} = 1$ Correct Choice: <input type="text" value="B"/>	2) A. $7 \times (11 \times 2) = (7 \times 11) \times 2$ B. $7 \times 11 = 11 \times 7$ C. $\frac{7}{11} \times \frac{11}{7} = 1$ D. $7 \times (11 + 2) = 7 \times 11 + 7 \times 2$ Correct Choice: <input type="text" value="A"/>
3) A. $5 \times 1 = 5$ B. $5 \times (9 + 4) = 5 \times 9 + 5 \times 4$ C. $5 \times (9 \times 4) = (5 \times 9) \times 4$ D. $5 \times 9 = 9 \times 5$ Correct Choice: <input type="text" value="C"/>	4) A. $2 \times (7 + 4) = 2 \times 7 + 2 \times 4$ B. $2 \times (7 \times 4) = (2 \times 7) \times 4$ C. $2 \times 7 = 7 \times 2$ D. $2 \times 1 = 2$ Correct Choice: <input type="text" value="B"/>
5) A. $(6 \times 10) \times 8 = 6 \times (10 \times 8)$ B. $6 \times 10 = 10 \times 6$ C. $6 \times \frac{1}{6} = 1$ D. $6 \times (10 + 8) = 6 \times 10 + 6 \times 8$ Correct Choice: <input type="text" value="A"/>	6) A. $3 \times 7 = 7 \times 3$ B. $3 \times 1 = 3$ C. $3 \times (7 + 5) = 3 \times 7 + 3 \times 5$ D. $3 \times (7 \times 5) = (3 \times 7) \times 5$ Correct Choice: <input type="text" value="D"/>
7) A. $(4 \times 2) \times 7 = 4 \times (2 \times 7)$ B. $4 \times 2 = 2 \times 4$ C. $4 \times 1 = 4$ D. $4 \times \frac{1}{4} = 1$ Correct Choice: <input type="text" value="A"/>	8) A. $9 \times 1 = 9$ B. $9 \times (5 \times 3) = (9 \times 5) \times 3$ C. $9 \times \frac{1}{9} = 1$ D. $9 \times (5 + 3) = 9 \times 5 + 9 \times 3$ Correct Choice: <input type="text" value="B"/>
9) A. $8 \times 1 = 8$ B. $8 \times (2 + 4) = 8 \times 2 + 8 \times 4$ C. $(8 \times 2) \times 4 = 8 \times (2 \times 4)$ D. $8 \times 2 = 2 \times 8$ Correct Choice: <input type="text" value="C"/>	10) A. $6 \times 1 = 6$ B. $6 \times (8 \times 3) = (6 \times 8) \times 3$ C. $6 \times 8 = 8 \times 6$ D. $6 \times \frac{1}{6} = 1$ Correct Choice: <input type="text" value="B"/>