

Finding Associative Property of Multiplication Name: Determine which choice best shows the associative property of multiplication. Answers **1**) A.  $5 \times 1 = 5$ **2)** A.  $4 \times 10 = 10 \times 4$ B.  $5 \times 2 = 2 \times 5$ **B.**  $4 \times 1 = 4$ 1. C.  $(5 \times 2) \times 0 = 5 \times (2 \times 0)$ C.  $(4 \times 10) + (4 \times 5) = 4 \times (10 + 5)$ D.  $(5 \times 2) + (5 \times 0) = 5 \times (2 + 0)$ D.  $(4 \times 10) \times 5 = 4 \times (10 \times 5)$ 2. 3) A.  $2 \times (1 + 10) = (2 \times 1) + (2 \times 10)$ **4)** A.  $9 \times 7 = 7 \times 9$ B.  $2 \times 1 = 1 \times 2$ B.  $9 \times 1 = 9$ C.  $(9 \times 7) + (9 \times 4) = 9 \times (7 + 4)$ C.  $1 \times 2 = 2$ 5. D.  $(9 \times 7) \times 4 = 9 \times (7 \times 4)$ D.  $2 \times (1 \times 10) = (2 \times 1) \times 10$ 6. 5) A.  $(8 \times 1) + (8 \times 7) = 8 \times (1 + 7)$ **6**) A.  $4 \times 6 = 6 \times 4$ B.  $(8 \times 1) \times 7 = 8 \times (1 \times 7)$ B.  $4 \times (6 + 2) = (4 \times 6) + (4 \times 2)$ 8. C.  $8 \times 1 = 1 \times 8$ C.  $4 \times (6 \times 2) = (4 \times 6) \times 2$ D.  $8 \times 1 = 8$ D.  $1 \times 4 = 4$ 9. 10. 7) A.  $10 \times 1 = 10$ 8) A.  $9 \times (7+6) = (9 \times 7) + (9 \times 6)$ 11. B.  $(10 \times 6) + (10 \times 8) = 10 \times (6 + 8)$ B.  $9 \times (7 \times 6) = (9 \times 7) \times 6$ C.  $(10 \times 6) \times 8 = 10 \times (6 \times 8)$ C.  $1 \times 9 = 9$ 12. D.  $10 \times 6 = 6 \times 10$ D.  $9 \times 7 = 7 \times 9$ **10)** A.  $(8 \times 2) \times 4 = 8 \times (2 \times 4)$ 9) A.  $(7 \times 6) + (7 \times 5) = 7 \times (6 + 5)$ B.  $(7 \times 6) \times 5 = 7 \times (6 \times 5)$ B.  $8 \times 2 = 2 \times 8$ C.  $7 \times 1 = 7$ C.  $8 \times 1 = 8$ D.  $7 \times 6 = 6 \times 7$ D.  $(8 \times 2) + (8 \times 4) = 8 \times (2 + 4)$ **11)** A.  $(3 \times 10) + (3 \times 2) = 3 \times (10 + 2)$ **12)** A.  $1 \times 2 = 2 \times 1$ B.  $(3 \times 10) \times 2 = 3 \times (10 \times 2)$ **B.**  $1 \times 1 = 1$ C.  $3 \times 10 = 10 \times 3$ C.  $(1 \times 2) + (1 \times 4) = 1 \times (2 + 4)$ 

D.  $(1 \times 2) \times 4 = 1 \times (2 \times 4)$ 

D.  $3 \times 1 = 3$ 

Math

Finding Associative Property of Multiplication Name: Answer Key Determine which choice best shows the associative property of multiplication. Answers				
	A. $5 \times 1 = 5$ B. $5 \times 2 = 2 \times 5$ C. $(5 \times 2) \times 0 = 5 \times (2 \times 0)$ D. $(5 \times 2) + (5 \times 0) = 5 \times (2 + 0)$	_	A. $4 \times 10 = 10 \times 4$ B. $4 \times 1 = 4$ C. $(4 \times 10) + (4 \times 5) = 4 \times (10 + 5)$ D. $(4 \times 10) \times 5 = 4 \times (10 \times 5)$	<u>Answers</u> 1. <u>C</u> 2. <u>D</u> 3. D
3)	A. $2 \times (1 + 10) = (2 \times 1) + (2 \times 10)$ B. $2 \times 1 = 1 \times 2$ C. $1 \times 2 = 2$ D. $2 \times (1 \times 10) = (2 \times 1) \times 10$	4)	A. $9 \times 7 = 7 \times 9$ B. $9 \times 1 = 9$ C. $(9 \times 7) + (9 \times 4) = 9 \times (7 + 4)$ D. $(9 \times 7) \times 4 = 9 \times (7 \times 4)$	<ul> <li>5. <u>D</u></li> <li>4. <u>D</u></li> <li>5. <u>B</u></li> <li>6. <u>C</u></li> </ul>
5)	A. $(8 \times 1) + (8 \times 7) = 8 \times (1 + 7)$ B. $(8 \times 1) \times 7 = 8 \times (1 \times 7)$ C. $8 \times 1 = 1 \times 8$ D. $8 \times 1 = 8$	6)	A. $4 \times 6 = 6 \times 4$ B. $4 \times (6 + 2) = (4 \times 6) + (4 \times 2)$ C. $4 \times (6 \times 2) = (4 \times 6) \times 2$ D. $1 \times 4 = 4$	7. <u>C</u> 8. <u>B</u> 9. <u>B</u>
7)	A. $10 \times 1 = 10$ B. $(10 \times 6) + (10 \times 8) = 10 \times (6 + 8)$ C. $(10 \times 6) \times 8 = 10 \times (6 \times 8)$ D. $10 \times 6 = 6 \times 10$	8)	A. $9 \times (7 + 6) = (9 \times 7) + (9 \times 6)$ B. $9 \times (7 \times 6) = (9 \times 7) \times 6$ C. $1 \times 9 = 9$ D. $9 \times 7 = 7 \times 9$	10. <u>A</u> 11. <u>B</u> 12. <u>D</u>
9)	A. $(7 \times 6) + (7 \times 5) = 7 \times (6 + 5)$ B. $(7 \times 6) \times 5 = 7 \times (6 \times 5)$ C. $7 \times 1 = 7$ D. $7 \times 6 = 6 \times 7$	10)	A. $(8 \times 2) \times 4 = 8 \times (2 \times 4)$ B. $8 \times 2 = 2 \times 8$ C. $8 \times 1 = 8$ D. $(8 \times 2) + (8 \times 4) = 8 \times (2 + 4)$	
11)	A. $(3 \times 10) + (3 \times 2) = 3 \times (10 + 2)$ B. $(3 \times 10) \times 2 = 3 \times (10 \times 2)$ C. $3 \times 10 = 10 \times 3$ D. $3 \times 1 = 3$	12)	A. $1 \times 2 = 2 \times 1$ B. $1 \times 1 = 1$ C. $(1 \times 2) + (1 \times 4) = 1 \times (2 + 4)$ D. $(1 \times 2) \times 4 = 1 \times (2 \times 4)$	

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