Finding Identity Property of Multiplication

Name:

Determine which choice best shows the identity property of multiplication.

1) A. $7 \times 1 = 1 \times 7$
B. $(7 \times 1) + (7 \times 9) = 7 \times (1 + 9)$
C. $7 \times 1 = 7$
D. $(7 \times 1) \times 9 = 7 \times (1 \times 9)$

2) A. $1 \times 0 = 0 \times 1$
B. $1 \times (0 + 7) = (1 \times 0) + (1 \times 7)$
C. $1 \times (0 \times 7) = (1 \times 0) \times 7$
D. $1 \times 1 = 1$

3) A. $5 \times (9 \times 0) = (5 \times 9) \times 0$
B. $5 \times (9 + 0) = (5 \times 9) + (5 \times 0)$
C. $5 \times 9 = 9 \times 5$
D. $1 \times 5 = 5$

4) A. $0 \times (9 \times 1) = (0 \times 9) \times 1$
B. $1 \times 0 = 0$
C. $0 \times 9 = 9 \times 0$
D. $0 \times (9 + 1) = (0 \times 9) + (0 \times 1)$

5) A. $5 \times 1 = 5$
B. $5 \times 1 = 1 \times 5$
C. $(5 \times 1) + (5 \times 9) = 5 \times (1 + 9)$
D. $(5 \times 1) \times 9 = 5 \times (1 \times 9)$

6) A. $(3 \times 4) \times 5 = 3 \times (4 \times 5)$
B. $3 \times 1 = 3$
C. $(3 \times 4) + (3 \times 5) = 3 \times (4 + 5)$
D. $3 \times 4 = 4 \times 3$

7) A. $8 \times (3 + 5) = (8 \times 3) + (8 \times 5)$
B. $1 \times 8 = 8$
C. $8 \times 3 = 3 \times 8$
D. $8 \times (3 \times 5) = (8 \times 3) \times 5$

8) A. $8 \times (3 + 6) = (8 \times 3) + (8 \times 6)$
B. $8 \times 3 = 3 \times 8$
C. $8 \times (3 \times 6) = (8 \times 3) \times 6$
D. $1 \times 8 = 8$

9) A. $(5 \times 8) + (5 \times 3) = 5 \times (8 + 3)$
B. $5 \times 8 = 8 \times 5$
C. $5 \times 1 = 5$
D. $(5 \times 8) \times 3 = 5 \times (8 \times 3)$

10) A. $(10 \times 6) \times 5 = 10 \times (6 \times 5)$
B. $10 \times 6 = 6 \times 10$
C. $10 \times 1 = 10$
D. $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

11) A. $8 \times 7 = 7 \times 8$
B. $8 \times (7 + 4) = (8 \times 7) + (8 \times 4)$
C. $8 \times (7 \times 4) = (8 \times 7) \times 4$
D. $1 \times 8 = 8$

12) A. $6 \times 4 = 4 \times 6$
B. $6 \times (4 + 1) = (6 \times 4) + (6 \times 1)$
C. $1 \times 6 = 6$
D. $6 \times (4 \times 1) = (6 \times 4) \times 1$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Identity Property of Multiplication Name: **Answer Key**

Determine which choice best shows the identity property of multiplication.

1) A. $7 \times 1 = 1 \times 7$
B. $(7 \times 1) + (7 \times 9) = 7 \times (1 + 9)$
C. $7 \times 1 = 7$
D. $(7 \times 1) \times 9 = 7 \times (1 \times 9)$

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B. $1 \times (0 + 7) = (1 \times 0) + (1 \times 7)$
C. $1 \times (0 \times 7) = (1 \times 0) \times 7$
D. $1 \times 1 = 1$

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B. $5 \times (9 + 0) = (5 \times 9) + (5 \times 0)$
C. $5 \times 9 = 9 \times 5$
D. $1 \times 5 = 5$

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5) A. $5 \times 1 = 5$
B. $5 \times 1 = 1 \times 5$
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B. $3 \times 1 = 3$
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7) A. $8 \times (3 + 5) = (8 \times 3) + (8 \times 5)$
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B. $5 \times 8 = 8 \times 5$
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D. $(5 \times 8) \times 3 = 5 \times (8 \times 3)$

10) A. $(10 \times 6) \times 5 = 10 \times (6 \times 5)$
B. $10 \times 6 = 6 \times 10$
C. $10 \times 1 = 10$
D. $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

11) A. $8 \times 7 = 7 \times 8$
B. $8 \times (7 + 4) = (8 \times 7) + (8 \times 4)$
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12) A. $6 \times 4 = 4 \times 6$
B. $6 \times (4 + 1) = (6 \times 4) + (6 \times 1)$
C. $1 \times 6 = 6$
D. $6 \times (4 \times 1) = (6 \times 4) \times 1$

Answers

1. C
2. D
3. D
4. B
5. A
6. B
7. B
8. D
9. C
10. C
11. D
12. C

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								