# Finding Identity Property of Multiplication

Name:

**Determine which choice best shows the identity property of multiplication.**

**1)** A. $4 \times 7 = 7 \times 4$
B. $1 \times 4 = 4$
C. $4 \times (7 \times 2) = (4 \times 7) \times 2$
D. $4 \times (7 + 2) = (4 \times 7) + (4 \times 2)$

**2)** A. $8 \times 0 = 0 \times 8$
B. $8 \times 1 = 8$
C. $(8 \times 0) + (8 \times 4) = 8 \times (0 + 4)$
D. $(8 \times 0) \times 4 = 8 \times (0 \times 4)$

**3)** A. $7 \times (2 + 8) = (7 \times 2) + (7 \times 8)$
B. $1 \times 7 = 7$
C. $7 \times 2 = 2 \times 7$
D. $7 \times (2 \times 8) = (7 \times 2) \times 8$

**4)** A. $4 \times (10 \times 9) = (4 \times 10) \times 9$
B. $1 \times 4 = 4$
C. $4 \times (10 + 9) = (4 \times 10) + (4 \times 9)$
D. $4 \times 10 = 10 \times 4$

**5)** A. $1 \times 9 = 9$
B. $9 \times 8 = 8 \times 9$
C. $9 \times (8 + 4) = (9 \times 8) + (9 \times 4)$
D. $9 \times (8 \times 4) = (9 \times 8) \times 4$

**6)** A. $7 \times (10 \times 2) = (7 \times 10) \times 2$
B. $7 \times 10 = 10 \times 7$
C. $7 \times (10 + 2) = (7 \times 10) + (7 \times 2)$
D. $1 \times 7 = 7$

**7)** A. $5 \times 1 = 5$
B. $(5 \times 2) + (5 \times 9) = 5 \times (2 + 9)$
C. $(5 \times 2) \times 9 = 5 \times (2 \times 9)$
D. $5 \times 2 = 2 \times 5$

**8)** A. $(8 \times 0) \times 1 = 8 \times (0 \times 1)$
B. $8 \times 0 = 0 \times 8$
C. $(8 \times 0) + (8 \times 1) = 8 \times (0 + 1)$
D. $8 \times 1 = 8$

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

**10)** A. $8 \times 0 = 0 \times 8$
B. $8 \times (0 + 7) = (8 \times 0) + (8 \times 7)$
C. $1 \times 8 = 8$
D. $8 \times (0 \times 7) = (8 \times 0) \times 7$

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

**12)** A. $0 \times (7 + 3) = (0 \times 7) + (0 \times 3)$
B. $0 \times 7 = 7 \times 0$
C. $1 \times 0 = 0$
D. $0 \times (7 \times 3) = (0 \times 7) \times 3$

## 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. $4 \times 7 = 7 \times 4$
B. $1 \times 4 = 4$
C. $4 \times (7 \times 2) = (4 \times 7) \times 2$
D. $4 \times (7 + 2) = (4 \times 7) + (4 \times 2)$

**2)** A. $8 \times 0 = 0 \times 8$
B. $8 \times 1 = 8$
C. $(8 \times 0) + (8 \times 4) = 8 \times (0 + 4)$
D. $(8 \times 0) \times 4 = 8 \times (0 \times 4)$

**3)** A. $7 \times (2 + 8) = (7 \times 2) + (7 \times 8)$
B. $1 \times 7 = 7$
C. $7 \times 2 = 2 \times 7$
D. $7 \times (2 \times 8) = (7 \times 2) \times 8$

**4)** A. $4 \times (10 \times 9) = (4 \times 10) \times 9$
B. $1 \times 4 = 4$
C. $4 \times (10 + 9) = (4 \times 10) + (4 \times 9)$
D. $4 \times 10 = 10 \times 4$

**5)** A. $1 \times 9 = 9$
B. $9 \times 8 = 8 \times 9$
C. $9 \times (8 + 4) = (9 \times 8) + (9 \times 4)$
D. $9 \times (8 \times 4) = (9 \times 8) \times 4$

**6)** A. $7 \times (10 \times 2) = (7 \times 10) \times 2$
B. $7 \times 10 = 10 \times 7$
C. $7 \times (10 + 2) = (7 \times 10) + (7 \times 2)$
D. $1 \times 7 = 7$

**7)** A. $5 \times 1 = 5$
B. $(5 \times 2) + (5 \times 9) = 5 \times (2 + 9)$
C. $(5 \times 2) \times 9 = 5 \times (2 \times 9)$
D. $5 \times 2 = 2 \times 5$

**8)** A. $(8 \times 0) \times 1 = 8 \times (0 \times 1)$
B. $8 \times 0 = 0 \times 8$
C. $(8 \times 0) + (8 \times 1) = 8 \times (0 + 1)$
D. $8 \times 1 = 8$

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

**10)** A. $8 \times 0 = 0 \times 8$
B. $8 \times (0 + 7) = (8 \times 0) + (8 \times 7)$
C. $1 \times 8 = 8$
D. $8 \times (0 \times 7) = (8 \times 0) \times 7$

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

**12)** A. $0 \times (7 + 3) = (0 \times 7) + (0 \times 3)$
B. $0 \times 7 = 7 \times 0$
C. $1 \times 0 = 0$
D. $0 \times (7 \times 3) = (0 \times 7) \times 3$

**Answers**

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



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