



Determine which choice best shows the distributive property of multiplication.

**Answers**

1) A.  $(8 \times 1) \times 4 = 8 \times (1 \times 4)$

B.  $8 \times 1 = 8$

C.  $(8 \times 1) + (8 \times 4) = 8 \times (1 + 4)$

D.  $8 \times 1 = 1 \times 8$

2) A.  $4 \times 1 = 4$

B.  $4 \times 7 = 7 \times 4$

C.  $(4 \times 7) \times 1 = 4 \times (7 \times 1)$

D.  $(4 \times 7) + (4 \times 1) = 4 \times (7 + 1)$

3) A.  $(5 \times 7) \times 9 = 5 \times (7 \times 9)$

B.  $(5 \times 7) + (5 \times 9) = 5 \times (7 + 9)$

C.  $5 \times 7 = 7 \times 5$

D.  $5 \times 1 = 5$

4) A.  $3 \times (4 \times 5) = (3 \times 4) \times 5$

B.  $1 \times 3 = 3$

C.  $3 \times 4 = 4 \times 3$

D.  $3 \times (4 + 5) = (3 \times 4) + (3 \times 5)$

5) A.  $4 \times (2 + 7) = (4 \times 2) + (4 \times 7)$

B.  $4 \times 2 = 2 \times 4$

C.  $1 \times 4 = 4$

D.  $4 \times (2 \times 7) = (4 \times 2) \times 7$

6) A.  $10 \times (4 \times 7) = (10 \times 4) \times 7$

B.  $1 \times 10 = 10$

C.  $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$

D.  $10 \times 4 = 4 \times 10$

7) A.  $8 \times 0 = 0 \times 8$

B.  $8 \times (0 + 5) = (8 \times 0) + (8 \times 5)$

C.  $8 \times (0 \times 5) = (8 \times 0) \times 5$

D.  $1 \times 8 = 8$

8) A.  $(5 \times 4) \times 0 = 5 \times (4 \times 0)$

B.  $5 \times 4 = 4 \times 5$

C.  $(5 \times 4) + (5 \times 0) = 5 \times (4 + 0)$

D.  $5 \times 1 = 5$

9) A.  $4 \times 10 = 10 \times 4$

B.  $(4 \times 10) + (4 \times 7) = 4 \times (10 + 7)$

C.  $(4 \times 10) \times 7 = 4 \times (10 \times 7)$

D.  $4 \times 1 = 4$

10) A.  $3 \times (5 \times 2) = (3 \times 5) \times 2$

B.  $1 \times 3 = 3$

C.  $3 \times 5 = 5 \times 3$

D.  $3 \times (5 + 2) = (3 \times 5) + (3 \times 2)$

11) A.  $10 \times 1 = 10$

B.  $10 \times 0 = 0 \times 10$

C.  $(10 \times 0) \times 8 = 10 \times (0 \times 8)$

D.  $(10 \times 0) + (10 \times 8) = 10 \times (0 + 8)$

12) A.  $5 \times 0 = 0 \times 5$

B.  $(5 \times 0) \times 6 = 5 \times (0 \times 6)$

C.  $(5 \times 0) + (5 \times 6) = 5 \times (0 + 6)$

D.  $5 \times 1 = 5$

1. \_\_\_\_\_

2. \_\_\_\_\_

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7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



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

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 B.  $(5 \times 7) + (5 \times 9) = 5 \times (7 + 9)$   
 C.  $5 \times 7 = 7 \times 5$   
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 B.  $4 \times 2 = 2 \times 4$   
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 B.  $8 \times (0 + 5) = (8 \times 0) + (8 \times 5)$   
 C.  $8 \times (0 \times 5) = (8 \times 0) \times 5$   
 D.  $1 \times 8 = 8$

- 8) A.  $(5 \times 4) \times 0 = 5 \times (4 \times 0)$   
 B.  $5 \times 4 = 4 \times 5$   
 C.  $(5 \times 4) + (5 \times 0) = 5 \times (4 + 0)$   
 D.  $5 \times 1 = 5$

- 9) A.  $4 \times 10 = 10 \times 4$   
 B.  $(4 \times 10) + (4 \times 7) = 4 \times (10 + 7)$   
 C.  $(4 \times 10) \times 7 = 4 \times (10 \times 7)$   
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 B.  $1 \times 3 = 3$   
 C.  $3 \times 5 = 5 \times 3$   
 D.  $3 \times (5 + 2) = (3 \times 5) + (3 \times 2)$

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

- 12) A.  $5 \times 0 = 0 \times 5$   
 B.  $(5 \times 0) \times 6 = 5 \times (0 \times 6)$   
 C.  $(5 \times 0) + (5 \times 6) = 5 \times (0 + 6)$   
 D.  $5 \times 1 = 5$

### Answers

1. **C**

2. **D**

3. **B**

4. **D**

5. **A**

6. **C**

7. **B**

8. **C**

9. **B**

10. **D**

11. **D**

12. **C**