



Determine which choice best shows the identity property of multiplication.

Answers

- |   |  |
|---|--|
| <p>1) A. <math>1 \times (4 \times 6) = (1 \times 4) \times 6</math><br/>         B. <math>1 \times 1 = 1</math><br/>         C. <math>1 \times 4 = 4 \times 1</math><br/>         D. <math>1 \times (4 + 6) = (1 \times 4) + (1 \times 6)</math></p>  | <p>2) A. <math>(1 \times 10) + (1 \times 8) = 1 \times (10 + 8)</math><br/>         B. <math>1 \times 10 = 10 \times 1</math><br/>         C. <math>(1 \times 10) \times 8 = 1 \times (10 \times 8)</math><br/>         D. <math>1 \times 1 = 1</math></p> |
| <p>3) A. <math>5 \times 0 = 0 \times 5</math><br/>         B. <math>(5 \times 0) + (5 \times 4) = 5 \times (0 + 4)</math><br/>         C. <math>(5 \times 0) \times 4 = 5 \times (0 \times 4)</math><br/>         D. <math>5 \times 1 = 5</math></p>  | <p>4) A. <math>(9 \times 10) + (9 \times 3) = 9 \times (10 + 3)</math><br/>         B. <math>9 \times 1 = 9</math><br/>         C. <math>9 \times 10 = 10 \times 9</math><br/>         D. <math>(9 \times 10) \times 3 = 9 \times (10 \times 3)</math></p> |
| <p>5) A. <math>9 \times (3 \times 8) = (9 \times 3) \times 8</math><br/>         B. <math>1 \times 9 = 9</math><br/>         C. <math>9 \times (3 + 8) = (9 \times 3) + (9 \times 8)</math><br/>         D. <math>9 \times 3 = 3 \times 9</math></p>  | <p>6) A. <math>9 \times 8 = 8 \times 9</math><br/>         B. <math>9 \times (8 \times 3) = (9 \times 8) \times 3</math><br/>         C. <math>9 \times (8 + 3) = (9 \times 8) + (9 \times 3)</math><br/>         D. <math>1 \times 9 = 9</math></p>       |
| <p>7) A. <math>8 \times 1 = 8</math><br/>         B. <math>(8 \times 1) \times 0 = 8 \times (1 \times 0)</math><br/>         C. <math>8 \times 1 = 1 \times 8</math><br/>         D. <math>(8 \times 1) + (8 \times 0) = 8 \times (1 + 0)</math></p>  | <p>8) A. <math>7 \times 10 = 10 \times 7</math><br/>         B. <math>1 \times 7 = 7</math><br/>         C. <math>7 \times (10 \times 5) = (7 \times 10) \times 5</math><br/>         D. <math>7 \times (10 + 5) = (7 \times 10) + (7 \times 5)</math></p> |
| <p>9) A. <math>0 \times 6 = 6 \times 0</math><br/>         B. <math>1 \times 0 = 0</math><br/>         C. <math>0 \times (6 + 2) = (0 \times 6) + (0 \times 2)</math><br/>         D. <math>0 \times (6 \times 2) = (0 \times 6) \times 2</math></p>  | <p>10) A. <math>6 \times 1 = 1 \times 6</math><br/>         B. <math>1 \times 6 = 6</math><br/>         C. <math>6 \times (1 \times 8) = (6 \times 1) \times 8</math><br/>         D. <math>6 \times (1 + 8) = (6 \times 1) + (6 \times 8)</math></p>      |
| <p>11) A. <math>6 \times (7 \times 3) = (6 \times 7) \times 3</math><br/>         B. <math>6 \times 7 = 7 \times 6</math><br/>         C. <math>6 \times (7 + 3) = (6 \times 7) + (6 \times 3)</math><br/>         D. <math>1 \times 6 = 6</math></p> | <p>12) A. <math>8 \times 3 = 3 \times 8</math><br/>         B. <math>1 \times 8 = 8</math><br/>         C. <math>8 \times (3 \times 10) = (8 \times 3) \times 10</math><br/>         D. <math>8 \times (3 + 10) = (8 \times 3) + (8 \times 10)</math></p>  |

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



Determine which choice best shows the identity property of multiplication.

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

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

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

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

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

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

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

- 8) A.  $7 \times 10 = 10 \times 7$   
 B.  $1 \times 7 = 7$   
 C.  $7 \times (10 \times 5) = (7 \times 10) \times 5$   
 D.  $7 \times (10 + 5) = (7 \times 10) + (7 \times 5)$

- 9) A.  $0 \times 6 = 6 \times 0$   
 B.  $1 \times 0 = 0$   
 C.  $0 \times (6 + 2) = (0 \times 6) + (0 \times 2)$   
 D.  $0 \times (6 \times 2) = (0 \times 6) \times 2$

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

- 11) A.  $6 \times (7 \times 3) = (6 \times 7) \times 3$   
 B.  $6 \times 7 = 7 \times 6$   
 C.  $6 \times (7 + 3) = (6 \times 7) + (6 \times 3)$   
 D.  $1 \times 6 = 6$

- 12) A.  $8 \times 3 = 3 \times 8$   
 B.  $1 \times 8 = 8$   
 C.  $8 \times (3 \times 10) = (8 \times 3) \times 10$   
 D.  $8 \times (3 + 10) = (8 \times 3) + (8 \times 10)$

Answers

1.     **B**    

2.     **D**    

3.     **D**    

4.     **B**    

5.     **B**    

6.     **D**    

7.     **A**    

8.     **B**    

9.     **B**    

10.     **B**    

11.     **D**    

12.     **B**