



Determine which choice best shows the identity property of multiplication.

Answers

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

Answers

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