



Determine which choice best shows the associative property of multiplication.

Answers

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

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



Determine which choice best shows the associative property of multiplication.

- 1) A.  $8 \times 1 = 8$   
 B.  $(8 \times 2) + (8 \times 0) = 8 \times (2 + 0)$   
 C.  $8 \times 2 = 2 \times 8$   
 D.  $(8 \times 2) \times 0 = 8 \times (2 \times 0)$
- 2) A.  $1 \times (2 + 6) = (1 \times 2) + (1 \times 6)$   
 B.  $1 \times 2 = 2 \times 1$   
 C.  $1 \times (2 \times 6) = (1 \times 2) \times 6$   
 D.  $1 \times 1 = 1$
- 3) A.  $(10 \times 6) \times 7 = 10 \times (6 \times 7)$   
 B.  $10 \times 1 = 10$   
 C.  $10 \times 6 = 6 \times 10$   
 D.  $(10 \times 6) + (10 \times 7) = 10 \times (6 + 7)$
- 4) A.  $1 \times 4 = 4$   
 B.  $4 \times 1 = 1 \times 4$   
 C.  $4 \times (1 + 0) = (4 \times 1) + (4 \times 0)$   
 D.  $4 \times (1 \times 0) = (4 \times 1) \times 0$
- 5) A.  $(8 \times 0) + (8 \times 2) = 8 \times (0 + 2)$   
 B.  $8 \times 0 = 0 \times 8$   
 C.  $(8 \times 0) \times 2 = 8 \times (0 \times 2)$   
 D.  $8 \times 1 = 8$
- 6) A.  $(3 \times 8) \times 7 = 3 \times (8 \times 7)$   
 B.  $3 \times 8 = 8 \times 3$   
 C.  $(3 \times 8) + (3 \times 7) = 3 \times (8 + 7)$   
 D.  $3 \times 1 = 3$
- 7) A.  $0 \times 7 = 7 \times 0$   
 B.  $(0 \times 7) + (0 \times 10) = 0 \times (7 + 10)$   
 C.  $0 \times 1 = 0$   
 D.  $(0 \times 7) \times 10 = 0 \times (7 \times 10)$
- 8) A.  $6 \times 3 = 3 \times 6$   
 B.  $6 \times 1 = 6$   
 C.  $(6 \times 3) + (6 \times 4) = 6 \times (3 + 4)$   
 D.  $(6 \times 3) \times 4 = 6 \times (3 \times 4)$
- 9) A.  $9 \times (1 + 10) = (9 \times 1) + (9 \times 10)$   
 B.  $1 \times 9 = 9$   
 C.  $9 \times 1 = 1 \times 9$   
 D.  $9 \times (1 \times 10) = (9 \times 1) \times 10$
- 10) A.  $9 \times (7 + 4) = (9 \times 7) + (9 \times 4)$   
 B.  $1 \times 9 = 9$   
 C.  $9 \times 7 = 7 \times 9$   
 D.  $9 \times (7 \times 4) = (9 \times 7) \times 4$
- 11) A.  $10 \times (8 + 1) = (10 \times 8) + (10 \times 1)$   
 B.  $10 \times 8 = 8 \times 10$   
 C.  $1 \times 10 = 10$   
 D.  $10 \times (8 \times 1) = (10 \times 8) \times 1$
- 12) A.  $10 \times (6 + 0) = (10 \times 6) + (10 \times 0)$   
 B.  $10 \times (6 \times 0) = (10 \times 6) \times 0$   
 C.  $10 \times 6 = 6 \times 10$   
 D.  $1 \times 10 = 10$

Answers

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