



Determine which choice best shows the associative property of multiplication.

Answers

- 1) A.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
 B.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$   
 C.  $10 \times 1 = 10$   
 D.  $10 \times 6 = 6 \times 10$

- 2) A.  $7 \times 2 = 2 \times 7$   
 B.  $7 \times 1 = 7$   
 C.  $(7 \times 2) \times 0 = 7 \times (2 \times 0)$   
 D.  $(7 \times 2) + (7 \times 0) = 7 \times (2 + 0)$

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

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

- 5) A.  $1 \times 5 = 5$   
 B.  $5 \times (7 + 6) = (5 \times 7) + (5 \times 6)$   
 C.  $5 \times (7 \times 6) = (5 \times 7) \times 6$   
 D.  $5 \times 7 = 7 \times 5$

- 6) A.  $(5 \times 10) \times 9 = 5 \times (10 \times 9)$   
 B.  $5 \times 10 = 10 \times 5$   
 C.  $(5 \times 10) + (5 \times 9) = 5 \times (10 + 9)$   
 D.  $5 \times 1 = 5$

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

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

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

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

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

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

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



Determine which choice best shows the associative property of multiplication.

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

Answers

- |     |                         |
|-----|-------------------------|
| 1.  | <u>    <b>A</b>    </u> |
| 2.  | <u>    <b>C</b>    </u> |
| 3.  | <u>    <b>A</b>    </u> |
| 4.  | <u>    <b>D</b>    </u> |
| 5.  | <u>    <b>C</b>    </u> |
| 6.  | <u>    <b>A</b>    </u> |
| 7.  | <u>    <b>A</b>    </u> |
| 8.  | <u>    <b>C</b>    </u> |
| 9.  | <u>    <b>C</b>    </u> |
| 10. | <u>    <b>C</b>    </u> |
| 11. | <u>    <b>A</b>    </u> |
| 12. | <u>    <b>D</b>    </u> |