

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Identify the Property**

Identify the property from the choices below.

<p>1) Commutative</p> <p>A. <math>6 \times 2 = 2 \times 6</math> B. <math>6 + (2 + 11) = (6 + 2) + 11</math> C. <math>6 \times 1 = 6</math> D. <math>6 + (-6) = 0</math></p> <p>Correct Choice: <input type="checkbox"/></p>	<p>2) Inverse</p> <p>A. <math>11 + 4 = 4 + 11</math> B. <math>11 \times \frac{1}{11} = 1</math> C. <math>11 + 0 = 11</math> D. <math>11 \times (4 + 7) = 11 \times 4 + 11 \times 7</math></p> <p>Correct Choice: <input type="checkbox"/></p>
<p>3) Identity</p> <p>A. <math>5 \times 9 = 9 \times 5</math> B. <math>5 + (9 + 4) = (5 + 9) + 4</math> C. <math>5 + (-5) = 0</math> D. <math>5 + 0 = 5</math></p> <p>Correct Choice: <input type="checkbox"/></p>	<p>4) Distributive</p> <p>A. <math>2 + 8 = 8 + 2</math> B. <math>(2 + 8) + 6 = 2 + (8 + 6)</math> C. <math>2 \times 1 = 2</math> D. <math>2 \times (8 + 6) = 2 \times 8 + 2 \times 6</math></p> <p>Correct Choice: <input type="checkbox"/></p>
<p>5) Associative</p> <p>A. <math>7 + 0 = 7</math> B. <math>7 \times (6 \times 3) = (7 \times 6) \times 3</math> C. <math>7 \times 6 = 6 \times 7</math> D. <math>7 + (-7) = 0</math></p> <p>Correct Choice: <input type="checkbox"/></p>	<p>6) Commutative</p> <p>A. <math>6 \times (8 + 3) = 6 \times 8 + 6 \times 3</math> B. <math>6 + (-6) = 0</math> C. <math>6 + 8 = 8 + 6</math> D. <math>6 + (8 + 3) = (6 + 8) + 3</math></p> <p>Correct Choice: <input type="checkbox"/></p>
<p>7) Inverse</p> <p>A. <math>10 + (-10) = 0</math> B. <math>10 + 0 = 10</math> C. <math>10 \times 5 = 5 \times 10</math> D. <math>10 \times (5 + 3) = 10 \times 5 + 10 \times 3</math></p> <p>Correct Choice: <input type="checkbox"/></p>	<p>8) Distributive</p> <p>A. <math>4 + 6 = 6 + 4</math> B. <math>4 \times (6 + 7) = 4 \times 6 + 4 \times 7</math> C. <math>4 \times 1 = 4</math> D. <math>4 + (6 + 7) = (4 + 6) + 7</math></p> <p>Correct Choice: <input type="checkbox"/></p>
<p>9) Commutative</p> <p>A. <math>11 \times (5 \times 8) = (11 \times 5) \times 8</math> B. <math>11 \times 5 = 5 \times 11</math> C. <math>11 \times (5 + 8) = 11 \times 5 + 11 \times 8</math> D. <math>11 + 0 = 11</math></p> <p>Correct Choice: <input type="checkbox"/></p>	<p>10) Associative</p> <p>A. <math>3 + 4 = 4 + 3</math> B. <math>3 \times (4 + 9) = 3 \times 4 + 3 \times 9</math> C. <math>3 \times \frac{1}{3} = 1</math> D. <math>(3 + 4) + 9 = 3 + (4 + 9)</math></p> <p>Correct Choice: <input type="checkbox"/></p>

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**Identify the Property**

Find the property used in each question.

1) $9 \times (5 + 3) = 9 \times 5 + 9 \times 3$ Property: _____ _____	2) $8 + (-8) = 0$ Property: _____ _____
3) $7 + 3 = 3 + 7$ Property: _____ _____	4) $10 \times (6 \times 2) = (10 \times 6) \times 2$ Property: _____ _____
5) $5 \times 12 = 12 \times 5$ Property: _____ _____	6) $11 \times 1 = 11$ Property: _____ _____
7) $(6 + 3) + 14 = 6 + (3 + 14)$ Property: _____ _____	8) $\frac{1}{2} \times 2 = 1$ Property: _____ _____
9) $(8 \times 12) \times 3 = 8 \times (12 \times 3)$ Property: _____ _____	10) $15 + 0 = 15$ Property: _____ _____
11) $11 + (-11) = 0$ Property: _____ _____	12) $9 + 7 + 6 = 9 + 6 + 7$ Property: _____ _____
13) $13 + 5 = 5 + 13$ Property: _____ _____	14) $15 \times (7 + 9) = 15 \times 7 + 15 \times 9$ Property: _____ _____
15) $10 + (2 + 6) = (10 + 2) + 6$ Property: _____ _____	16) $7 + 0 = 7$ Property: _____ _____

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### Identity and Inverse Properties

Use appropriate '+' or '×' symbols to satisfy the equation. Identify the property used.

1)  $2 \square 0 = 2$

Property: \_\_\_\_\_

2)  $5 \square \frac{1}{5} = 1$

Property: \_\_\_\_\_

3)  $2 \square (-2) = 0$

Property: \_\_\_\_\_

4)  $\frac{1}{10} \square 10 = 1$

Property: \_\_\_\_\_

5)  $0 \square 8 = 8$

Property: \_\_\_\_\_

6)  $1 \square 12 = 12$

Property: \_\_\_\_\_

7)  $-1 \square 1 = 0$

Property: \_\_\_\_\_

8)  $2 \square \frac{1}{2} = 1$

Property: \_\_\_\_\_

9)  $9 \square 1 = 9$

Property: \_\_\_\_\_

10)  $13 \square 0 = 13$

Property: \_\_\_\_\_

11)  $9 \square (-9) = 0$

Property: \_\_\_\_\_

12)  $4 \square 0 = 4$

Property: \_\_\_\_\_

13)  $-5 \square 5 = 0$

Property: \_\_\_\_\_

14)  $14 \square 0 = 14$

Property: \_\_\_\_\_

15)  $7 \square \frac{1}{7} = 1$

Property: \_\_\_\_\_

16)  $4 \square 1 = 4$

Property: \_\_\_\_\_

17)  $\frac{1}{8} \square 8 = 1$

Property: \_\_\_\_\_

18)  $11 \square 0 = 11$

Property: \_\_\_\_\_

19)  $1 \square 2 = 2$

Property: \_\_\_\_\_

20)  $12 \square (-12) = 0$

Property: \_\_\_\_\_

21)  $6 \square \frac{1}{6} = 1$

Property: \_\_\_\_\_