

Name: Class:

Properties of addition

1. Which expression shows the identity property of addition?

- $5+2 = 2+5$
 $(5+2)+3 = (3+5)+2$
 $5+0 = 5$
 $5x(2+7) = (5x2)+(3x5)$

2. Which expression shows the associative property of addition?

- $5+2 = 2+5$
 $(5+2)+3 = (3+5)+2$
 $5+0 = 5$
 $5x(2+7) = (5x2)+(3x5)$

3. Which expression shows the commutative property of addition?

- $5+2 = 2+5$
 $(5+2)+3 = (3+5)+2$
 $5+0 = 5$
 $5x(2+7) = (5x2)+(3x5)$

4. Which expression shows the distributive property of addition?

- $5+2 = 2+5$
 $(5+2)+3 = (3+5)+2$
 $5+0 = 5$
 $5x(2+7) = (5x2)+(3x5)$

Identify the addition property used in each question below.

1. $10 + 20 = 20 + 10$

The property is _____

2. $7 + 0 = 7$

The property is _____

3. $9 + (13 + 2) = (9+13) + 2$

The property is _____

4. $2 + 15 + 7 = 7 + 2 + 15$

The property is _____

5. $12 = 12 + 0$

The property is _____

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- Which expression shows the identity property of addition?
 $5+2 = 2+5$ $(5+2)+3 = (3+5)+2$ $5+0 = 5$ $5 \times (2+7) = (5 \times 2) + (3 \times 5)$
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Identify the addition property used in each question below.

- $10 + 20 = 20 + 10$
The property is commutative
- $7 + 0 = 7$
The property is identity
- $9 + (13 + 2) = (9+13) + 2$
The property is associative
- $2 + 15 + 7 = 7 + 2 + 15$
The property is commutative
- $12 = 12 + 0$
The property is identity