

Name: ..... Class: .....

Properties of addition

a. Which expression shows the identity property of addition?

- $5+2 = 2+5$       $(5+2)+3 = (3+5)+2$       $5+0 = 5$       $5 \times (2+7) = (5 \times 2) + (3 \times 5)$

b. Which expression shows the associative property of addition?

- $5+2 = 2+5$       $(5+2)+3 = (3+5)+2$       $5+0 = 5$       $5 \times (2+7) = (5 \times 2) + (3 \times 5)$

c. Which expression shows the commutative property of addition?

- $5+2 = 2+5$       $(5+2)+3 = (3+5)+2$       $5+0 = 5$       $5 \times (2+7) = (5 \times 2) + (3 \times 5)$

d. Which expression shows the distributive property of addition?

- $5+2 = 2+5$       $(5+2)+3 = (3+5)+2$       $5+0 = 5$       $5 \times (2+7) = (5 \times 2) + (3 \times 5)$

e. Identify the addition property used in each question below.

$10 + 20 = 20 + 10$     ➤ The property is \_\_\_\_\_

$7 + 0 = 7$     ➤ The property is \_\_\_\_\_

$9 + (13 + 2) = (9+13) + 2$     ➤ The property is \_\_\_\_\_

$2 + 15 + 7 = 7 + 2 + 15$     ➤ The property is \_\_\_\_\_

$12 = 12 + 0$     ➤ The property is \_\_\_\_\_



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e. 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

