

Name: Class:

Properties of addition

1. Identify the addition property used in the following expressions.

a. $8 + 0 = 8$

b. $15 + (7 + 10) = (15 + 7) + 10$

c. $200 + 75 + 200$

d. $2 + (15 + 3) = (2 + 15) + 3$

e. $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$



2. Complete the table below with the correct property or expression.

Property / Expressions	Property	Expression
Commutative		$8 + (2 + 3) = (8 + 2) + 3$
Associative	Commutative	
$72 = 72 + 0$	Additive identity	
Distributive		$(5+7) \times 3 = (5 \times 3) + (7 \times 3)$
$4 + 7 = 7 + 4$		$50 + 19 = 19 + 50$

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Properties of addition

1. Identify the addition property used in the following expressions.

a. $8 + 0 = 8$

It is the identity property

b. $15 + (7 + 10) = (15 + 7) + 10$

It is the Associative property

c. $200 + 75 + 200$

It is the Commutative property

d. $2 + (15 + 3) = (2 + 15) + 3$

It is the associative property,

e. $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$

It is the distributive property



2. Complete the table below with the correct property or expression.

Property / Expressions	Property	Expression
Commutative	<u>Associative</u>	$8 + (2 + 3) = (8 + 2) + 3$
Associative	Commutative	<u>$4 + 7 = 7 + 4$</u>
$72 = 72 + 0$	Additive identity	<u>$72 = 72 + 0$</u>
Distributive	<u>Distributive</u>	$(5+7) \times 3 = (5 \times 3) + (7 \times 3)$
$4 + 7 = 7 + 4$	<u>Commutative</u>	$50 + 19 = 19 + 50$