

Lesson 1-2 Notes
Properties of Addition

Property	Definition	Arithmetic	Algebra
Commutative Property of Addition "move"	Changing the order of the values you are adding does not change the sum.	$1+2=2+1$	$a+b=b+a$
Associative Property of Addition "group" ()	Changing the grouping of the values you are adding does not change the sum.	$(1+2)+3 =$ $1+(2+3)$	$(a+b)+c =$ $a+(b+c)$
Identity Property of Addition	The sum of any number and zero is the original number.	$2+0=2$	$a+0=a$

Name the property shown.

1) $c + 0 = c$ Identity

2) $7 + a = a + 7$ commutative

3) $5 + (x + y) = (5 + x) + y$ associative

4) $4 + 6 = 6 + 4$ commutative

5) $3 + 0 = 3$ Identity

6) $(11 + 2) + 8 = 11 + (2 + 8)$ associative

7) $9 + 5 = 5 + 9$ commutative