Name:_____ Date:_____

Lesson 1: Addition Note Sheet

Vocabulary

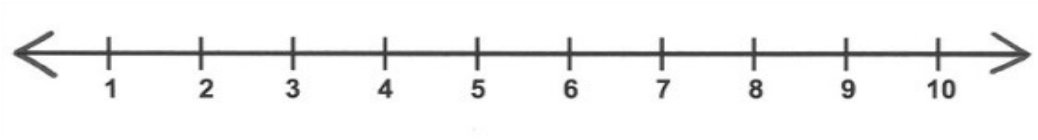
Addends = The terms being added
Sum = The resulting term
Addition = The operation of adding two addends to form a sum

Label the addends and sum in the equation:

$$5 + 3 = 8$$

Addition with a Number Line

1. 2 + 5 = _____



2. 9 + 6 = _____

Adding >1-digit numbers

37	567	85932
+ 45	+ 448	+ 3304

Name:_____ Date:_____

Properties

Verify or find a countercase for the follow properties:

(Let a, b, and c represent any number)

Property Name	Definition	Countercase?	Is it a property for addition?
Identity	a # 0= a (0 is only the identity for addition and subtraction)	___ + 0 ≠ ___	
Commutative	a # b = b # a	___ + ___ ≠ ___ + ___	
Associative	(a # b) # c = a # (b # c)	(___ +___) + ___ ≠ ___ + (___+___)	

Interesting Problems using Properties

- Compute (2 + 12 + 22 + 32) + (8 + 18 + 28 + 38).

- Compute 99 + 99 + 99 + 101 + 101 + 101.

- Compute (1 + 2 + 3 + … + 49 + 50) + (99 + 98 + 97 + … + 51 + 50).

- Compute (1+2+3+4+5+6+7+8+10) + (10+9+8+7+6+5+4+3+2+1).