

Date: _____

Chapter 3 Section A: Use the Commutative and Associative Rule (3.A.2)

Objective: Understand the commutative and associative properties of addition, and use these to simplify calculations.

Q1. Fill in the blanks.

Commutative Rule:

ordering

Use the following numbers only to form 2 correct addition number sentences. [The largest number is the total sum.]

19 , 67 , 48

way 1: _____ + _____ = _____

way 2: _____ + _____ = _____

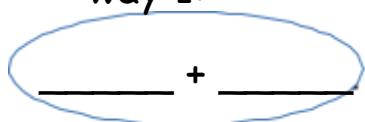
Associative Rule:

grouping

Use the following numbers only to form 2 correct addition number sentences. [The largest number is the total sum.]

25 , 134 , 75 , 34

way 1:

 _____ + _____ + _____

way 2:

_____ + _____ + _____

_____ + _____ = _____

_____ + _____ = _____

Q2. Here are some statements about addition and subtraction.

Tick (✓) to show if the statements are true or false

Statement	True	False
$12 + 15 = 15 + 12$		
$29 - 7 = 7 - 29$		
$3 + 6 + 11 = 6 + 11 + 3$		

Q3. Add the following numbers in **order**.

1, 2, 3, 4, 5, 6, 7, 8, 9

Q4. Add the following numbers by **making tens**.

1, 2, 3, 4, 5, 6, 7, 8, 9

Q5. Which method of adding numbers is easier:

(making tens or by order)?
