

Addition Properties

CA Standards
KEY NS 2.1, AF 1.0

When you add numbers, there are special rules.

Commutative Property

Changing the order that numbers are added does not change the sum.

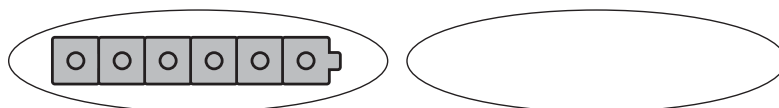


$$2 + 7 = 9$$

$$7 + 2 = 9$$

Zero Property

The sum of any number and zero is that number.



$$6 + 0 = 6$$

Associative Property

Changing the way that addends are grouped does not change the sum.

$$(5 + 4) + 8$$

$$5 + (4 + 8)$$

$$9 + 8 = 17$$

$$5 + 12 = 17$$

Find the sum.

1. $2 + 9 = \underline{\hspace{2cm}}$

2. $4 + 6 = \underline{\hspace{2cm}}$

3. $4 + 0 = \underline{\hspace{2cm}}$

$9 + 2 = \underline{\hspace{2cm}}$

$6 + 4 = \underline{\hspace{2cm}}$

4. $8 + (2 + 5) = \underline{\hspace{2cm}}$

5. $(9 + 1) + 6 = \underline{\hspace{2cm}}$

6. $0 + 6 = \underline{\hspace{2cm}}$

$(8 + 2) + 5 = \underline{\hspace{2cm}}$

$9 + (1 + 6) = \underline{\hspace{2cm}}$



Writing Math Bella has 5 red crayons, 2 blue crayons, 3 yellow crayons, and 7 green crayons. To find out how many crayons she has in all, is it important in what order she adds the numbers? Explain your answer.
