

Associative Property of Addition Worksheet

Name: _____

Date: _____

Find the sum.

①

$$9 + 12 + 14 + 5 =$$

②

$$6 + 13 + 7 + 3 =$$

③

$$9 + 12 + 14 + 5 =$$

④

$$6 + 13 + 7 + 3 =$$

True or False?

⑤

$$(5 + 6) + (4 + 7) = (6+7) + (4+5)$$

True

False

⑥

$$(7 + 3) + (5 + 2) = (6 + 4) + (3 + 6)$$

True

False

⑦

Emily has 12 candies in her bag. She wants to share them equally among her 3 friends, but first, she wants to group them differently.

First, she decides to give 4 candies to each friend. Then, she combines the remaining candies and splits them equally again among her friends. Will her friends get the same number of candies in both scenarios?

Explain using the associative property of addition.



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Tommy is organizing his toy cars into groups.

He has 5 red cars, 3 blue cars, and 4 green cars.

He wants to group them in a way that doesn't change the total number of cars. First, he groups all the red cars together, then groups all the blue cars together, and finally groups all the green cars together.

Next, he decides to group the red and blue cars together first, and then group the green cars. Will Tommy end up with the same number of cars in both ways?

Explain using the associative property of addition.

