Name:

Solving Properties of Real Numbers

A. Match the following expressions to the correct answer by writing the letter. Write your working on a sheet of paper and send it to my email.

1. _____ $277 \times (4 + 5) = 277 \times 4 + 5$
2. _____ $45890 + 875643 = 875643 + 45890$
3. _____ $6789 \times 45 = 45 \times 6789$
4. _____ $89022 + (9056 + 634561) = (89022 + 9056) + 634561$
5. _____ $(2228 \times 15) \times 20 = 2228 \times (15 \times 20)$

a) 2590
b) 732639
c) 922154
d) 921533
e) 305505
f) 667786
g) 2493
h) 668400

B. Read the question carefully and select the correct property.

6. When Jameson looked at this expression 5901275×2801, Jameson wrote 2801×5901275. Which property is Jameson displaying?

a. Commutative Property of Addition
b. Commutative Property of Multiplication
c. Distributive Property
d. Associative Property of Addition

7. After Adam looked at this expression $(45654 \times 156) \times 4564$, he wrote $45654 \times (156 \times 4564)$. Which property is Adam displaying?

a. Commutative Property of Addition
b. Commutative Property of Multiplication
c. Associative property of Multiplication
d. Associative Property of Addition

8. Amanda examined this expression $7000000 + 8101576$, she wrote $8101576 + 7000000$. Which property is Amanda displaying?

a. Associative Property of Addition
b. Commutative Property of Multiplication
c. Associative property of Multiplication
d. Commutative Property of Addition

9. Semaj claims that this expression $156 \times (22 \times 2)$ is Distributive Property. Is his claim right?
a. True b. False

10. Andrew thought of this expression $(787 + 564) + 5144$ and said it was Associative Property of Addition. Is he correct?
a. True b. False

11. Baylie defined Commutative Property of Addition as a property where you change the grouping of the numbers but the sum is the same. Is he correct?
a. True b. False

12. In class one day Seannaya said "this property changes the order of what numbers you multiply but not the product" to Semaj. Which property is she talking about?

a. Commutative Property of Multiplication
b. Distributive Property
c. Associative property of Multiplication
d. Commutative Property of Addition

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