

Apply commutative and associative properties symbolically

NAME	DATE	SCORE / 10
------	------	------------

1 Which property shows that $(2x + 5) + 6 = 2x + (5 + 6)$?

- ☐ Associative property of addition
 ☐ Associative property of multiplication
☐ Commutative property of addition
 ☐ Commutative property of multiplication

2 Use the commutative property of addition to write $5 + 8y$ another way.

3 Which property shows that $n \times 5 = 5 \times n$?

- ☐ Associative property of addition
 ☐ Associative property of multiplication
☐ Commutative property of multiplication
 ☐ Commutative property of addition

4 Use the commutative property of addition to write $2y + 6$ another way.

5 Which property shows that $5 \times (6 \times n) = (5 \times 6) \times n$?

- ☐ Associative property of addition
 ☐ Commutative property of addition
☐ Associative property of multiplication
 ☐ Commutative property of multiplication

6 Use the commutative property of addition to write $4 + 5x$ another way.

7Which property shows that $6y + 2 + 5y = 6y + 5y + 2$?

- ☐ Commutative property of multiplication ☐ Associative property of addition
☐ Commutative property of addition ☐ Associative property of multiplication

8Use the commutative property of addition to write $9n + 6$ another way.**9**Which property shows that $(7y + 8) + 5 = 7y + (8 + 5)$?

- ☐ Associative property of addition ☐ Commutative property of addition
☐ Commutative property of multiplication ☐ Associative property of multiplication

10Use the commutative property of multiplication to write $n \times 6$ another way.

Apply commutative and associative properties symbolically

1 Associative property of addition

3 Commutative property of multiplication

5 Associative property of multiplication

7 Commutative property of addition

9 Associative property of addition

2 $8y + 5$

4 $6 + 2y$

6 $5x + 4$

8 $6 + 9n$

10 $6 \times n$