Name: .... Class: ....

Properties of multiplication

1. Which expression shows the identity property of multiplication?

☐ 2x9 = 9x2　　☐ 9x 1 = 9　　☐ (9x2)x3 = (3x2) x 9　　☐ 4x(5+2) = (4x5) + (4x2)

2. Which expression shows the commutative property of multiplication?

☐ 2x9 = 9x2　　☐ 9x 1 = 9　　☐ (9x2)x3 = (3x2) x 9　　☐ 4x(5+2) = (4x5) + (4x2)

3. Which expression shows the associative property of multiplication?

☐ 2x9 = 9x2　　☐ 9x 1 = 9　　☐ (9x2)x3 = (3x2) x 9　　☐ 4x(5+2) = (4x5) + (4x2)

4. Which expression shows the distributive property of multiplication?

☐ 2x9 = 9x2　　☐ 9x 1 = 9　　☐ (9x2)x3 = (3x2) x 9　　☐ 4x(5+2) = (4x5) + (4x2)

Identify the multiplication property used in each question below.

1. 6 x 1 = 6

　　*The property is*_____

2. a x (b xc) = (a x b) x c

　　*The property is*_____

3. 9 x (3 + 7) = (9 x 3) + (9 x 7)

　　The property is_____

4. -8 = -8 x 1

　　*The property is*_____

5. 50 x 520 = 520 x 50

　　*The property is*_____

Name: .... Class: ....

Properties of multiplication

1. Which expression shows the identity property of multiplication?

☐ 2x9 = 9x2   ☑ 9x 1 = 9   ☐ (9x2)x3 = (3x2) x 9   ☐ 4 x (5+2) = (4x5) + (4x2)

2. Which expression shows the commutative property of multiplication?

☑ 2x9 = 9x2   ☐ 9x 1 = 9   ☐ (9x2)x3 = (3x2) x 9   ☐ 4 x (5+2) = (4x5) + (4x2)

3. Which expression shows the associative property of multiplication?

☐ 2x9 = 9x2   ☐ 9x 1 = 9   ☑ (9x2)x3 = (3x2) x 9   ☐ 4 x (5+2) = (4x5) + (4x2)

4. Which expression shows the distributive property of multiplication?

☐ 2x9 = 9x2   ☐ 9x 1 = 9   ☐ (9x2)x3 = (3x2) x 9   ☑ 4 x (5+2) = (4x5) + (4x2)

Identify the multiplication property used in each question below.

1. 6 x 1 = 6

The property is____identity_____

2. a x (b xc) = (a x b) x c

The property is____assiociative____

3. 9 x (3 + 7) = (9 x 3) + (9 x 7)

The property is____distrubutive____

4. -8 = -8 x 1

The property is____identity____

5. 50 x 520 = 520 x 50

The property is____commutative____