

Properties of Real Numbers Assignment

Match the appropriate Property with the correct example.

_____ 1. $4 + 5 + 6 = 6 + 4 + 5$

_____ 2. $a \times (0) = 0$

_____ 3. $2 \times (1/2) = 1$

_____ 4. $(a) \times (d) = (d) \times (a)$

_____ 5. $(8 + 2) + 4 = 8 + (2+4)$

_____ 6. $8 \times (1) = 8$

_____ 7. $42 - 6a = 6(7-a)$

_____ 8. $a + 0 = a$

- a. additive identity
- b. commutative property of addition
- c. associative property of addition
- d. multiplicative inverse
- e. multiplicative identity
- f. commutative property of multiplication
- g. distributive property
- h. associative property of multiplication
- i. multiplicative property of zero

Properties of Real Numbers Assignment

Name the property shown by each statement:

1. $17 + 22 = 22 + 17$ _____
2. $12 \times 46 = 46 \times 12$ _____
3. $89 + 0 = 89$ _____
4. $89 \times 1 = 89$ _____
5. $89 \times 0 = 0$ _____
6. $(8 + 4) + 5 = 8 + (4 + 5)$ _____
7. $(43 \times 2) \times 5 = 43 \times (2 \times 5)$ _____

Find the additive inverse of each number.

1. 15
2. -27
3. $\frac{7}{9}$
4. $-\frac{9}{16}$
5. 0

Find the multiplicative inverse of each number.

1. 15
2. -27
3. $\frac{7}{9}$
4. $-\frac{9}{16}$
5. 1

Properties of Real Numbers Assignment

ANSWERS:

Match the appropriate Property with the correct example.

 b 1. $4 + 5 + 6 = 6 + 4 + 5$

 i 2. $a \times (0) = 0$

 d 3. $2 \times (1/2) = 1$

 f 4. $(a) \times (d) = (d) \times (a)$

 c 5. $(8 + 2) + 4 = 8 + (2+4)$

 e 6. $8 \times (1) = 8$

 g 7. $42 - 6a = 6(7-a)$

 a 8. $a + 0 = a$

- a. additive identity
- b. commutative property of addition
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- f. commutative property of multiplication
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- h. associative property of multiplication
- i. multiplicative property of zero

Properties of Real Numbers Assignment

Name the property shown by each statement:

- $17 + 22 = 22 + 17$ _____ commutative property of addition _____
- $12 \times 46 = 46 \times 12$ _____ commutative property of multiplication _____
- $89 + 0 = 89$ _____ additive identity property _____
- $89 \times 1 = 89$ _____ multiplicative identity property _____
- $89 \times 0 = 0$ _____ zero property _____
- $(8 + 4) + 5 = 8 + (4 + 5)$ _____ associative property of addition _____
- $(43 \times 2) \times 5 = 43 \times (2 \times 5)$ _____ associative property of multiplication _____

Find the additive inverse of each number.

- 15
 - 27
 - $\frac{7}{9}$
 - $-\frac{9}{16}$
 - 0
- 15
 - 27
 - $-\frac{7}{9}$
 - $\frac{9}{16}$
 - 0

Find the multiplicative inverse of each number.

- 15
 - 27
 - $\frac{7}{9}$
 - $-\frac{9}{16}$
 - 1
- $\frac{1}{15}$
 - $-\frac{1}{27}$
 - $\frac{9}{7}$
 - $-\frac{16}{9}$
 - 1