

Name: Class:

Multiply using properties of multiplication

Use properties of multiplication to find the product of the following expressions.

a. $230 \times 1 = \underline{\hspace{2cm}}$

b. $9 \times (12 + 27)$

c. $(60 - 12) \times 5 = \underline{\hspace{2cm}}$

d. $9 \times 75 = \underline{\hspace{2cm}}$



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Multiply using properties of multiplication

Use properties of multiplication to find the product of the following expressions.

a. $230 \times 1 = \underline{\hspace{2cm}}$

Let's use the identify property to solve this.

$$230 \times 1 = 230$$

$$\text{So, } 23 \times 1 = 230$$

b. $9 \times (12 + 27)$

Let's use the associative property to solve this.

$$9 \times (12 + 27) = (9 \times 12) + (9 \times 27)$$

$$= 108 + 243$$

$$= 351$$

$$\text{So, } 9 \times (12 + 27) = 351$$

c. $(60 - 12) \times 5 = \underline{\hspace{2cm}}$

Let's use the distributive property to solve this.

$$(60 - 12) \times 5 = (60 \times 5) - (12 \times 5)$$

$$= 300 - 60$$

$$= 240$$

$$\text{So, } (60 - 12) \times 5 = 240.$$

d. $9 \times 75 = \underline{\hspace{2cm}}$

Let's use the commutative property to solve this.

$$9 \times 75 = 75 \times 9$$

$$= 675.$$

$$\text{So, } 9 \times 75 = 675.$$

