Topic: Identifying multiplication

Question: Which of these is multiplication?

Answer choices:

A $\qquad 3 \times 2 = 6$

B $\qquad 3 \cdot 2 = 6$

C $\qquad (3)(2) = 6$

D $\qquad$ All of these

Solution: D

Answer choices A, B, and C all indicate multiplication.

Topic: Identifying multiplication

Question: Simplify the expression.

$$(3 \times 2 \cdot 2)(4) \times 2$$

Answer choices:

A   48

B   96

C   24

D   12

Solution: B

We need to identify every operation in this expression as multiplication, because the parentheses, the × symbol, and the · symbol all indicate multiplication.

So we'll perform one multiplication at a time. Remember that when it comes to multiplication, the order in which we perform the multiplication won't affect the result.

$$(3 \times 2 \cdot 2)(4) \times 2$$

$$(6 \cdot 2)(4) \times 2$$

$$(12)(4) \times 2$$

$$48 \times 2$$

$$96$$

Topic: Identifying multiplication

Question: Simplify the expression.

$$2(-3)(-5) \cdot 2 \times 4$$

Answer choices:

A   60

B   240

C -120

D -240

Solution: B

We need to identify every operation in this expression as multiplication, because the parentheses, the × symbol, and the · symbol all indicate multiplication.

So we'll perform one multiplication at a time. Remember that when it comes to multiplication, the order in which we perform the multiplication won't affect the result.

$$2(-3)(-5) \cdot 2 \times 4$$

$$(-6)(-5) \cdot 2 \times 4$$

$$30 \cdot 2 \times 4$$

$$60 \times 4$$

$$240$$