Topic: Identifying multiplication

Question: Which of these is multiplication?

Answer choices:

A $3 \times 2 = 6$

B $3 \cdot 2 = 6$

C $(3)(2) = 6$

D All of these

Solution: D

All of the answer choices represent 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 that every operation in this expression is multiplication, because the parentheses, the $\times$ symbol and the $\cdot$ symbol all represent multiplication. So we'll perform one multiplication at a time. Remember that, when it comes to multiplication, the order doesn't matter.

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

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

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

$$48 \times 2$$

$$96$$

Topic: Identifying multiplication

Question: Simplify this expression.

$$3(-7) - 5 + 2 \times 6 - 3 + 4 \cdot 5$$

Answer choices:

A 23

B 3

C -9

D -76

Solution: B

To simplify

$$3(-7) - 5 + 2 \times 6 - 3 + 4 \cdot 5$$

group the multiplications in brackets.

$$[3(-7)] - 5 + [2 \times 6] - 3 + [4 \cdot 5]$$

$$[-21] - 5 + [12] - 3 + [20]$$

Group positives, group negatives and add. The brackets can be dropped.

$$12 + 20 - 21 - 5 - 3$$

$$32 - 29$$

$$3$$