



Claim 1

Smarter Balanced Sample Items

Grade 5 - Target A

**Write and interpret
numerical expressions.**

Which expression correctly shows “12 times the sum of 5 and 7”?

- A. $12 \times 5 + 7$
- B. $5 + 7 \times 12$
- C. $12 \times (5 + 7)$
- D. $5 + (7 \times 12)$

Grade 5 - Claim 1
Target A

#1 Answer

Rubric:

(1 point) The student selects the correct expression.

Answer: C

Which expression correctly shows the difference between the product of 7 and 9 and the sum of 12 and 5?

A. $7 \times (9 - 12) + 5$

B. $7 \times (9 + 12) + 5$

C. $(7 \times 9) - (12 + 5)$

D. $(7 + 9) + (12 + 5)$

Rubric:

(1 point) The student selects the correct expression.

Answer: C

Which statement describes the value of the expression $4 \times (18,932 + 921)$?

- A. The value is 921 more than the product of 4 and 18,932.
- B. The value is 18,932 more than the product of 4 and 921.
- C. The value is 4 times as large as the sum of 18,932 and 921.
- D. The value is 4 times as large as the product of 18,932 and 921.

Rubric:

(1 point) The student selects the correct interpretation of the expression

Answer: C

Example 1: Enter the value of $7 + (5 \times 12)$.

Example 2: Enter the value of $7 + (5 \times 12) - 4$.

Rubric:

(1 point each) The student enters the correct value.

Answers:

Example 1: 67

Example 2: 63

Example 1: Enter the value of $(5 \times 12) + (27 \div 9)$.

Example 2: Enter the exact value of $(6 \times \frac{2}{3}) + (\frac{2}{8} + \frac{3}{8})$

Example 3: Enter the exact value of $(2 \div 0.1) - (0.3 \times 0.4)$

Rubric:

(1 point each) The student enters the correct value.

Answers:

Example 1: 63

Example 2: $4\frac{5}{8}$

Example 3: 19.88

Taryn must place parentheses around numbers in this expression in order to make it equal 2.

$$30 \div 2 + 4 - 3$$

Which expression equals 2?

A. $30 \div (2 + 4 - 3)$

B. $30 \div (2 + 4) - 3$

C. $30 \div 2 + (4 - 3)$

D. $(30 \div 2) + 4 - 3$

Rubric:

(1 point) The student identifies the correct placement of parentheses.

Answer: B