5.OA.A

Write and interpret numerical expressions.

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

A. 12 × 5 + 7

B. 5 + 7 × 12

C. 12 × (5 + 7)

D. 5 + (7 × 12)

2. Which expression correctly shows the difference between the product of 7 and 9 and the sum of

12 and 5?

A. 7 × (9 – 12) + 5

B. 7 × (9 + 12) + 5

C. (7 + 9) + (12 + 5)

D. (7 x 9) — (12 + 5)

3. Which statement describes the value of the expression 4 × (18,932 + 921)?

A. The value is 4 times as large as the product of 18,932 and 921.

B. The value is 4 times as large as the sum of 18,932 and 921.

C. The value is 18,932 more than the product of 4 and 921.

D. The value is 921 more than the product of 4 and 18,932.

4. What is the value of 7 + (5 × 12) ­– 4?

5. What is the exact value of (6 × ) + ( + )?

6. What is the exact value of (2 ÷ 0.1) — (0.3 × 0.4)?

**Teacher Material**

5.OA.A

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| **Question** | **Claim** | **Key/Suggested Rubric** |
| --- | --- | --- |
| 1[[1]](#footnote-1) | 1 | **1 point:** Selects C |
| 21 | 1 | **1 point:** Selects D |
| 31 | 1 | **1 point:** Selects B |
| 41 | 1 | **1 point:** 63 |
| 51 | 1 | **1 point:** 4 |
| 61 | 1 | **1 point:** 19.88 |

1. From Smarterbalanced.org. Grade 5, Claim 1, Target A Item Specifications. Internet. Available from <http://www.smarterbalanced.org/smarter-balanced-assessments/>; accessed 11/2015. [↑](#footnote-ref-1)