Smarter Balanced Assessment Item Illustrating 5.OA.A.1

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

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

Answer Key

63; 37/8 or equivalent

Elaboration on Alignment

The item shown by Example Stem 1 illustrates how grouping symbols can be used to remove some of the ambiguity of more traditional "order of operations" problems. Although the problem could be written without the grouping symbols, including them shows a little more clearly that the expression is the sum of a product and a quotient. Example Stem 2 was also included to show how the item development plan attends to coherence by ensuring that numerical expressions are allowed to include numbers other than whole numbers to integrate the work of the NF domain.

Learn More

Learn more with the MATH Assessment Item Alignment Modules at www.achievethecore.org.