

Smarter Balanced Assessment Item Illustrating 8.EE.A.1

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Enter the value of n for the equation $5^n = 5^{11} \cdot 5^3$.

Answer Key

14

Elaboration on Alignment

This item straightforwardly measures the intent of 8.EE.A.1 which requires students to know and apply the properties of integer exponents. This extends students' grade 6 work evaluating expressions with whole number exponents and prepares them for other work with scientific notation also in the grade 8 EE domain.

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