NWEA Assessment Item Illustrating 2.NBT.A.3

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Domain: Number Sense

2.NBT.A: Understand place value.

Calculator Availability: No

Which <u>two</u> answer choices have a value of six hundred three?	
A. 630	☐ B. 6+100+3
c. 603	D. 60+0+3
E. 360	F. 600 + 3
G. 63	

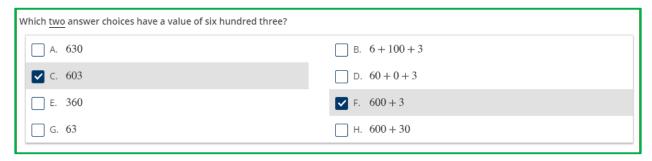
Alignment: 2.NBT.A.3: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.

Students are expected to recognize numbers represented in multiple forms: base-ten numerals, number names, and expanded form. This item incorporates all three forms of numbers. Connecting multiple representations of numbers helps develop a deeper conceptual understanding of place value. The options in the item assess students' understanding of how a digit's location in a number informs its value.

Coherence: In kindergarten, place-value work centered around understanding numbers between 10 and 20 as ten and some ones. K.NBT.A.1 In grade 1, the magnitude of numbers expanded to within 100, and the emphasis was on understanding the meaning of a ten and the relationship between tens and ones. In grade 2, students work with numbers through 1,000, with an emphasis on the meaning of a hundred. Students are expected to recognize multiple forms of numbers for the first time. This expectation will carry through grade 4, with multi-digit numbers, A.NBT.A.2 and through grade 5, with decimals through thousandths. In grades 4 and 5, the emphasis will be on understanding the base-ten relationship between place values. Additionally, throughout the primary years, students apply place-value understandings such as a ten as a set of 10 ones and a hundred as a set of 10 tens to compute with the four operations.

Rigor: This item attends to conceptual understanding of place value.

Answer Key:



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