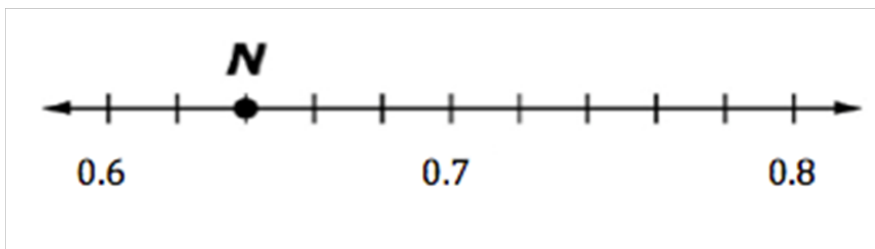


Smarter Balanced Assessment Item Illustrating 4.NF.C.6

© ITEM ADAPTED WITH PERMISSION FROM THE SMARTER BALANCED GRADE 4 CLAIM 1 ITEM SPECIFICATIONS. AVAILABLE FROM [HTTP://WWW.SMARTERBALANCED.ORG/ASSESSMENTS/](http://www.smarterbalanced.org/assessments/); ACCESSED APRIL 2016. PLEASE CONTACT SMARTER BALANCED DIRECTLY FOR ADDITIONAL INFORMATION ON TERMS OF USE.

Enter the decimal value for the number located at point N.



Answer Key

0.64

Elaboration on Alignment

The number line makes its first appearance in the standards in grade 2, but remains an important representation for the next several years as students are introduced to more and more numbers that make up the number system. In grade 3, students spend significant time understanding that fractions are numbers and locating them on a number line. The grade 4 item shown extends students' work with fractions and connects that work to decimals by showing equivalence to fractions with denominators 10 and 100. This item draws on students' understanding of partitioning and fraction equivalence to raise its complexity (less complex items would partition the distance from .6 to .7 into tenths instead of fifths). While those less complex versions are important on the assessment also, this item nicely captures the intent of the conceptual understanding communicated in cluster 4.NF.C.

Learn More

Learn more about high-quality assessment items by visiting the [MATH Assessment Item Alignment Modules](#) at www.achievethecore.org.