

PARCC Assessment Item Illustrating 5.NF.A.1

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Which equation shows how to use equivalent fractions to evaluate $\frac{7}{6} - \frac{4}{5}$?

- A. $\frac{7}{6} - \frac{4}{5} = \frac{7}{11} - \frac{4}{11}$
- B. $\frac{7}{6} - \frac{4}{5} = \frac{35}{11} - \frac{24}{11}$
- C. $\frac{7}{6} - \frac{4}{5} = \frac{7}{30} - \frac{4}{30}$
- D. $\frac{7}{6} - \frac{4}{5} = \frac{35}{30} - \frac{24}{30}$

Answer Key

D

Elaboration on Alignment

This item focuses on the specific requirement of standard 5.NF.A.1 of subtracting fractions with unlike denominators by replacing them with equivalent fractions. In grade 3, students begin their work with equivalent fractions (see 3.NF.A.3), and then in grade 4, students explore addition and subtraction of fractions with like denominators (see 4.NF.B.3). These concepts are then tied together in grade 5 in standard 5.NF.A.1 as illustrated by this assessment item.

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