

Smarter Balanced Assessment Item Illustrating 7.EE.B.4a

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A coach buys a uniform and a basketball for each of the 15 players on the team. Each basketball costs \$9. The coach spends a total of \$420 for uniforms and basketballs.

Enter the cost, in dollars, of 1 uniform.

Answer Key

19

Elaboration on Alignment

This item illustrates an uptick from students work in grade 6 (6.EE.B.7) where they were required to write and solve simple equations of the form $x + p = q$ and $px = q$ to the grade 7 work of writing and solving real-world problems leading to equations of the form $px + q = r$, where p , q and r are specific rational numbers. Items assessing this standard could also involve coefficients that aren't whole numbers and aren't positive numbers. This item assesses the modeling aspects of 7.EE.B.4a, not the part of the standard about fluency with solving algebraic equations.

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