

## PARCC Assessment Item Illustrating 8.EE.A.4

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A carpenter bought 750 nails. Each nail has a mass of  $5.2 \times 10^{-3}$  kilogram. What is the total mass, in kilograms, of the nails the carpenter bought? Give your answer as a decimal.

Enter your answer in the box.

### Answer Key

3.9

### Elaboration on Alignment

The equation and/or numerical entry item type is usually ideal when the answer to a question is a number. Students should be diligent in checking their mathematics to a problem and verifying that their answers seem reasonable. With traditional multiple-choice questions students often are alerted that their answers are not reasonable or correct because they don't show up on the list of options. For classroom teachers, open response has the added benefit of supporting formative assessment, providing better information to look for and summarize student misconceptions or errors. Since summative assessments often serve as a signal to classroom instruction, selecting item types that are best aligned to the desired evidence should be a top priority.

### Learn More

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