

<p>Most Relevant Standards for Mathematical Content</p>	<p>6.EE.7: Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p, q and x are all nonnegative rational numbers.</p> <p>This standard is major content in the grade based on the PARCC Model Content Frameworks.</p>
<p>Most Relevant Standards for Mathematical Practice</p>	<p>MP.4 (Model with mathematics) is the most relevant Standard for Mathematical Practice. Students create an equation to model the information presented through the context.</p>
<p>Item Description and Assessment Qualities</p>	<p>This application task requires students to write and solve equations as part of the same solution process. Students at Grade 6 are expected to apply equations to problem situations, and then use those equations to find the solution. Here the variable, v, is defined for students. Some items on the PARCC test will allow students to define their own variables. Then, students must use that variable to create an equation relating the information given in the stem. The second part of the task requires students to solve their equation for v.</p> <p>The technology allows students to authentically create their own equation and record the solution. Unlike traditional multiple choice, it is difficult to guess the correct answer or use a choice elimination strategy.</p>
<p>Scoring Information</p>	<p>Task is worth 2 points. Task can be scored as 0, 1, or 2.</p> <p>Part A: 1 point – Student selects “100”, “12.5” and “.” OR “12.5”, “100”, “÷”.</p> <p>Part B: 1 point – Student types “8”.</p>