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| **NC.3.OA.8****Soccer Uniform**  |
| **Domain** | Operations and Algebraic Thinking |
| **Cluster** | Solve two-step problems. |
| **Standard(s)** | **NC.3.OA.8** Solve two-step word problems using addition, subtraction, and multiplication, representing problems using equations with a symbol for the unknown number. |
| **Materials** | Paper, pencils, calculators, manipulatives, white board and dry-erase markers (optional) |
| **Task** | Jackson needs $40 to get a new uniform for soccer. He has $8 already. His mother said she will pay him $4 a week to rake the yard. How many weeks will he have to rake the yard to have enough money for his new uniform?Write one or more equations for your solution, using symbols for the unknown numbers. Show how you solved this problem, using pictures, words, or numbers. |

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| **Rubric** |
| **Level I**Not Yet | 1. **Level II**
2. Progressing
 | **Level III**Meets Expectation |
| * Student uses inappropriate solution strategy and does not get the correct answer.
 | * Finds the correct answer, but there may be inaccuracies or incomplete justification of solution**.**

***OR**** Uses partially correct strategy, but gets the wrong answer.
 | * Accurately solves problem (8 weeks).
* Uses appropriate pictures, words, or numbers to justify the solution.
* Correctly writes equation(s) that represent solution.
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| **Standards for Mathematical Practice** |
| **1. Makes sense and perseveres in solving problems.** |
| **2. Reasons abstractly and quantitatively.** |
| 3. Constructs viable arguments and critiques the reasoning of others. |
| **4. Models with mathematics.** |
| 5. Uses appropriate tools strategically. |
| **6. Attends to precision.** |
| 7. Looks for and makes use of structure. |
| 8. Looks for and expresses regularity in repeated reasoning. |

**Soccer Uniform**

Jackson needs $40 to get a new uniform for soccer. He has $8 already. His mother said she will pay him $4 a week to rake the yard. How many weeks will he have to rake the yard to have enough money for his new uniform?

Write one or more equations for your solution, using symbols for the unknown numbers. Show how you solved this problem, using pictures, words, or numbers.