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| **ALCCRS: Math 3.8**  Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. (This standard is limited to problems posed with whole numbers and having whole-number answers; students should know how to perform operations in the conventional order when there are no parentheses to specify a particular order (Order of Operations).) | | |
| **Mastered:**  Students can solve two-step word problems using the four operations. | **Present:**  Students will represent two-step word problems using the four operations and a letter standing for the unknown quantity. | **Going Forward:**  Students will assess the reasonableness of answers using mental computation and estimation strategies including rounding. |
| **Present and Going Forward Vocabulary:**  Rounding, add, subtract, multiply, divide | | |

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| **Career Connections:**  Architect, Budget Analyst, Cost Estimator, Electrical Engineer, Stockbroker |

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| **Advanced Understanding & Activity (Alternate activity): (**Student page found in Appendix A)  **Math Rebus Story**.  Student Directions: Using the Math Rebus Story Contract, write a two-step number sentence (equation). Your number sentence must use all four operations. Write your word problem (including your answer). Then write a short story that includes your choice of the pictures as the main character, story setting, the main problem in the story, and the story solution. Your story must be centered on the word problem and include the pictures you choose. If you wish, draw a picture to illustrate on the back of your story contract.  *Example: Main Character:* ***Row*** *1,* ***Column*** *1 - Princess*  *Story Setting: Row 1, Column 2 – Castle*  *Main Problem : Row 1, Column 3 – Dragon*  *Story Solution: Row 1, Column 4 - Knight*  **Challenge**: Write a story mixing and matching pictures from Rows 1, 2, 3, and 4.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | Column 1 Main Character | Column 2 Story Setting | Column 3 Main Problem in Story | Column 4 Story Solution | | Row  1 |  |  |  |  | | Row  2 |  |  |  |  | | Row  3 |  |  |  |  | |

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| **Literature Connections/Resources:** Murphy, Stuart J. Ready, Set, Hop. NY: Scholastic. 1997.Murphy, Stuart J. Shark Swimathon. St. Louis, MO: Turtleback Books. 2001.Calvert, Pam. Multiplying Menace: The Revenge of Rumpelstiltskin. Watertown, MA: Charlesbridge Publishing. 2006.Schwartz, Richard Evan. You Can Count on Monsters. Boca Raton, FL: A.K. Peters. 2010.Anno, Masaichiro. Anno’s Mysterious Multiplying Jar. NY: Penguin Putnam Books. 1996.Website:<http://www.mathplayground.com/katiebegin.html> (Click on Levels 1 & 2) |