



Using Graphic Organizers to Teach One-Step Word Problem Solving

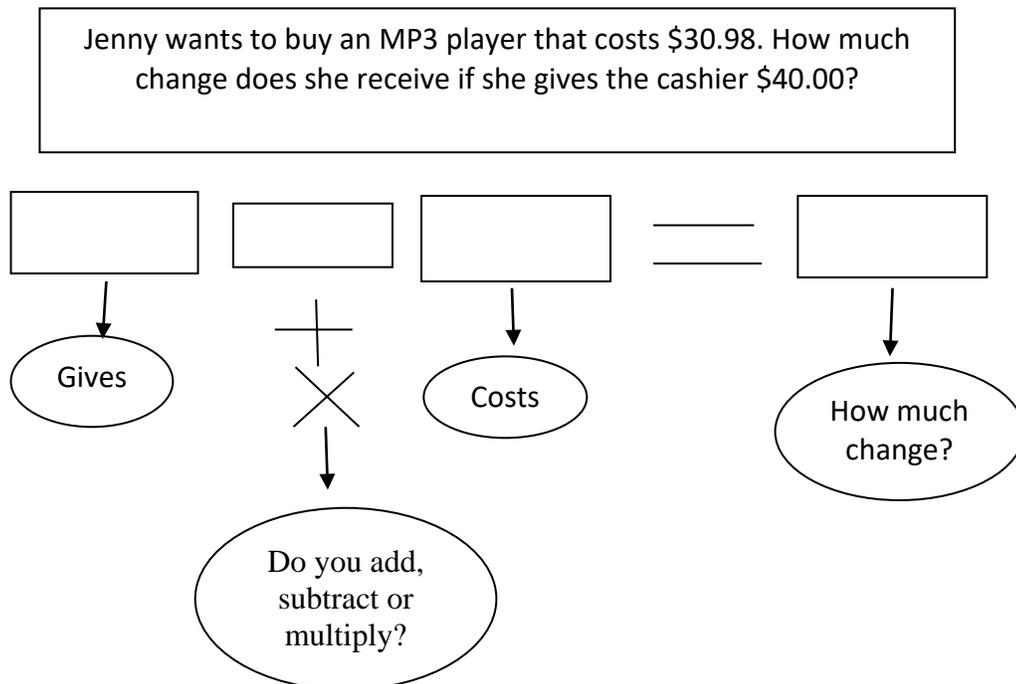
Objective: To teach students to solve one-step word problems.

Setting and Materials:

Settings: Self-contained classroom

Materials: *Kidspiration 3*© graphic organizers, pencils, erasers, calculators, a timer, and worksheets containing a set of word problems.

Worksheets contained nine, one-step word problems (e.g., Larry's checking account balance is \$129.34 before he deposited \$345.66. What is Larry's new balance?), had lines for the answers, and a place for students to perform their work. Graphic organizers had a space for the text of a word problem and a template of boxes arranged in the form of a mathematical equation to fill in the relevant sets, operation, and answer.



(Sheriff & Boom, 2014, p1832)

Content Taught

How to use graphic organizers to represent and solve one-step word problems.

Teaching Procedures

1. Display a sample word problem and the Kidspiration 3© graphic organizer template on a computer
2. Model how to (a) enter text or numbers in each of the boxes, (b) click and drag mathematical operations into the appropriate box, (c) activate the text-to-speech component, and (d) delete entered information
3. Provide students with a calculator and three sample word problems to use with the software on their computers.
4. Repeat these steps until students can independently complete the three sample problems using the modeled features with 100% accuracy.

Evaluation

Number of one-step word problems answered correctly on a teacher-made quiz of one-step word problems.

Lesson Plan Based on:

Strickland, T. K., & Maccini, P. (2013). Exploration of quadratic expressions through multiple representations for students with mathematics difficulties. *Learning Disabilities: A Multidisciplinary Journal*, 19, 61-71

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