



Model Drawing Demonstration--Job Alike
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What is Model Drawing?

Model Drawing is a process in which students are able to solve word problems with the use of bar diagrams as visual representations that show how quantities in the problem are related (Randall Charles). In other words, students use abstract, algebraic thinking in a concrete manner.

Why Model Drawing?

- Allows concrete, visual knowledge to stimulate abstract thinking
- Aligned with the NC Standard Course of Study
- Prepares students for algebraic thinking
- Promotes problem solving skills

Problem Solving Steps Using Model Drawing

(some disagreement among the experts, but it is a great beginning)

1. Read the entire problem.
2. Who is involved in the problem?
3. What is involved in the problem?
4. Draw unit bars of equal length.
5. Read each sentence one at a time.
6. Put question mark in place.
7. Work computation to the side.
8. Answer question in a complete sentence.

Some Sample Problems

1. There are three times as many boys as girls. If there are 24 more boys than girls, how many children are there altogether?

