Problem Solving using Model Drawing

Follow the 8 step method:

- 1. Read the whole problem.
- 2. Decide who is involved in the problem.
- 3. Decide what is involved in the problem. (Look at the question.)
- 4. Draw unit bars of equal length.
- 5. Read sentence by sentence plugging the information into the visual.
- 6. Put the question mark in place. (This is the unknown.)
- 7. Work the computation to the side.
- 8. Answer the question in a complete sentence.

Addition Examples

Tommy had 52 baseball cards. He bought another 3 packs of cards. Each pack had 10 cards in it. How many cards did he have altogether?

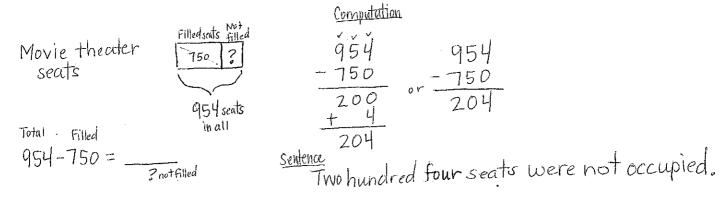
® Tommy had 82 baseball card altogether.

The numbers represent the steps of model drawing.

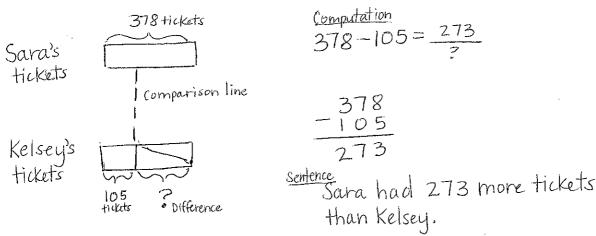
Sam had 134 baseball cards in his collection. His brother had 365 cards in his collection. How many cards did the brothers have altogether?

Subtraction Examples

A movie theater has 954 seats. If 750 seats were filled by audience members, how many seats were not occupied?



After playing games at the carnival, Sara had 378 tickets. Her cousin Kelsey only had 105 tickets. How many more tickets did Sara have than Kelsey?



Tony made 325 cakes in a year at his bakery. He sold 85 more chocolate cakes than vanilla cakes. If all of the cakes were sold, how many chocolate cakes were sold.

