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Tucson Unified School District \#1
NCTM 2013 Annual Meeting \& Exposition April 17-20

Problem given to children:
Mrs. Radon had 17 books she no longer could use. She gave them away to a friend. Mrs. Radon now has 35 books left. How many did she have before she gave any away?

- What does the student understand?
- What misunderstandings does the student have?


Student 2

- What does the student understand?
$35-10=25$
- What misunderstandings does the student have?




## $4 \mid 2$ bobs

- What misunderstandings does the student have?


## Student 4



I am making cookies and I need $1 \frac{1}{2}$ cups of flour. I only have $3 / 4$ of a cup. How much more flour do I need so that I will have $1 \frac{1}{2}$ cups of flour altogether?

## Student 5



