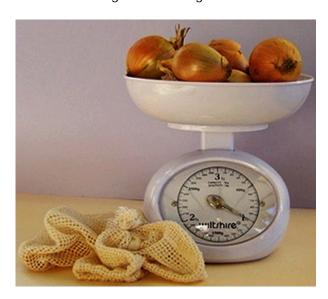
## **Onions**

## **Annotation**

Carlos is able to read a scale to a numbered interval. He shows that he has a sense of the size of a kilogram by using large onions first as he seeks to measure 1 kilogram. He understands that he is able to exchange items of different weights in order to be more precise in his measuring.

## **Problem: Onions**

The teacher tells the student that the supermarket sells onions in 1-kilogram bags and asks the student to weigh out 1 kilogram of onions on the kitchen scales.



## **Student Response**

Carlos looks at the scale and then starts adding onions to the pan. He begins by adding large onions and, as the measuring needle comes closer to the 1-kilogram mark, he looks more frequently at the needle. He exchanges one large onion for two smaller onions to ensure that the needle settles directly on the 1-kilogram mark.

Carlos: That's 1 kilogram.