

# Bags of wheat

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## Annotation

Ali uses his sound place value knowledge of our number system to efficiently solve this decimal fraction problem. He is able to work easily between whole numbers, fractions and decimals.

## Problem: Bags of wheat

The teacher shows this problem to the student and reads it with him as required:

*Malu needed 2.5kg of wheat for a large wheat bag. She had 0.88kg and 1.7kg in 2 separate bags. If she combined these would she have enough?*

## Student response

Ali: Yes, she'd have 2.58 kg because  $1.7 + 0.88 = 2.58$ .

Teacher: Tell me how you did that.

Ali: Well I could see that 0.8 or  $\frac{8}{10}$  added to 1.7 or 1 and  $\frac{7}{10}$  is 2.5. And there's just that 0.08 or  $\frac{8}{100}$ , which is 80 grams, left over

Teacher: How would you record that?

Ali: I'd probably write  $1.7 + 0.88 = 2.58$