DECIMALS WITH A TAPE

You Need

- Two [2] 150cm tapes, one each
- One [1] calculator (not supplied)

You have probably seen questions like these in a text book:

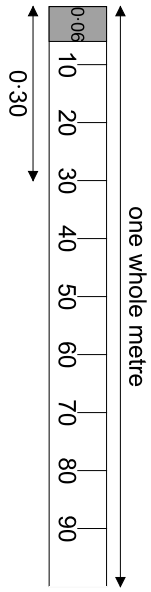
a. 0·15 + 0·23 b. 0·86 - 0·31 c. 3 x 0·45 d. 0·72 ÷ 0·03

Your Task

1. *Estimate* the answers to each question and record your estimate.
2. Use a calculator to check your estimate.

The Story

Mathematicians have to be able to check their work another way. This task invites you to check your calculator work another way. In the old days they. didn't have calculators, but they did have tape measures



Challenge

Check each of the questions using the tape measures.

Hints

- The whole in this problem is one metre of tape.
- One metre = 100cm.
- If 1m = 1·00, then 5cm = 0·05
  because it is zero [0] wholes and 5cm out of 100cm.
- Ian said: *0·30 ÷ 0·06 means how many lots of 6cm fit into 30cm*.

Explain your checking method with words and pictures.

Make up some decimal questions of your own and work them out with the tapes. Check your answers with a calculator.

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