## Maths adviser

Approach: One to one
Level: Year 4 and year 8
Resources: 7 cards and a packet of 15 wooden cubes.

try to explain the answers. You will need to say more than "yes" or "no" - because you want them to understand. Use the cubes to help show what you mean.
Encourage the student to use the cubes and explain an answer, rather than just saying yes, no or maybe.
Show cards 1a and 1b

1. Is 4 plus 3 the same as 3 plus 4 ?

Prompt: Show me using the cubes.
Correct conclusion: with demonstration 8195
not demonstrated $\quad 15 \quad 4$
Show cards 2a and 2b
2. What about 4 minus 3 and 3 minus 4 ?

Are they the same?
Prompt: Show me using the cubes.
Correct conclusion: with demonstration $47 \quad 76$
not demonstrated $13 \quad 11$

4. Is there a number you can add to, or take away from this number, but the number still stays the same? Tell me what it is and how this works.
Correct, good explanation of:
$\begin{array}{lll}\text { both addition and subtraction } & 29 & 52\end{array}$
only one operation $10 \quad 5$
Correct: but inadequate explanation $13 \quad 20$
5. What about multiplying or dividing. Is there a number you can multiply (or times) this number by, or divide it by, so that the number stays the same? Tell me what it is and how this works.
Correct, good explanation of:

