Algebra Bk 2 Level 4



You need: a classmate

Room 12's teacher, Miss Parata, shows them a number puzzle.

Think of a number:

ACTIVITY

Multiply it by 2 Add 10 Subtract 6 Add 8 Halve the answer.

Tell me your final answer, and I'll tell you the number you started with.

"14," said Jane. "8," said Miss Parata. "WOW!" said Jane.
"9," said Mark. "3," said Miss Parata.
"10," said Tama. "4," said Miss Parata.
"27," said Elena. "21," said Miss Parata.

I've got it! You subtract 6.

> Yes, Hine. But why does it work?

Let's use the letter *n* to stand for any of the starting numbers. So what happens to *n* after each step, Hine? Hine writes what happens to the starting number *n* on the board.



3. Write your own number puzzle in which you think of a number and get 36 for the answer. Get a classmate to figure out what number you started with.