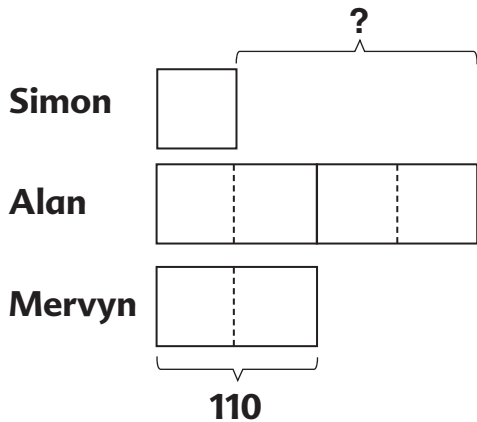# Word Problems

1. Mervyn has 110 marbles. Alan has 2 times as many marbles as Mervyn and 4 times as many marbles as Simon. How many more marbles does Alan have than Simon?

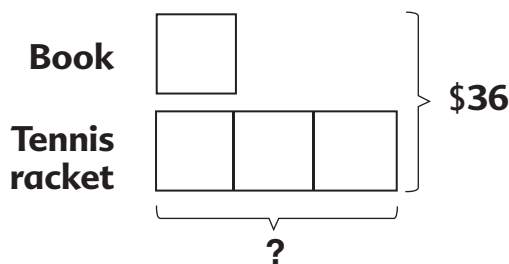When we draw the model, we draw Simon's part first as he has the least number of marbles.

2 units = 110 marbles

1 unit = 55 marbles

3 units = 165 marbles

Alan has 165 more marbles than Simon.

2. A tennis racket costs 3 times as much as a book. If the total cost of the book and the tennis racket is $36, find the cost of the tennis racket.

4 units = $36

1 unit = $9

3 units = $27

The cost of the tennis racket is $27.