

Correct. Let m = the number of math books and let h = the number of history books. Then:

(A) $m + h = 30$ (B) $3m + 2h = 77$

Solve (A) for h : $h = 30 - m$

Substitute into (B): $3m + 2(30 - m) = 77$

Multiply, and combine like terms: $m + 60 = 77$, so $m = 17$