

Correct. Let  $b$  = the number of bags of basmati rice and let  $j$  = the number of bags of jasmine rice. Then:

(A)  $b + j = 20$  (B)  $5b + 3j = 76$

Solve (A) for  $j$ :  $j = 20 - b$

Substitute into (B):  $5b + 3(20 - b) = 76$

Multiply, and combine like terms:  $2b + 60 = 76$ , so  $b = 8$