Name: ..... Class: .....

Power Up! Test Practice

22. A store is having a 25% off sale, and Abdulrahman has a coupon good for AED 10 off his total purchase. The function $f(x) = 0.75x - 10$ represents the final cost of an item that costs x dirhams after the discount and coupon are applied.

AED 5	AED 50
AED 20	AED 60
AED 35	AED 75
AED 40	AED 80

Select values to complete the function machine for the regular prices and sale prices of items A, B, C, and D.

Input A: AED 60
Input B: ____
Input C: AED 20
Input D: ____

→ $f(x) = 0.75x - 10$ →

Output A: ____
Output B: AED 20
Output C: ____
Output D: AED 50

23. Lamis received a AED 25 gift card to an online music store. The cost of purchasing one song is AED 0.95. Complete the table to show the balance remaining on Lamis' gift card $n(s)$ after purchasing s songs.

Number of Songs s	Balance Remaining $n(s)$
2	
4	
5	
8	
10	

LIVEWORKSHEETS