Name: _____

Assessment for Learning: "Slot Machines"

Curriculum Expectations: A1.1, A1.3, A1.4, A2.1, A2.2, A2.3, A3.1, A4.1, A4.3, A4.4, A4.5, B1.1, B1.3, B3.1

Test Cases

Description	Input	Expected Output	Score

Payouts on all machines (machine A triggered first).
 	
One point for exactly correct text in output.
	`How many quarters does Martha have in the jar?`
	`10`
	
	`How many times has the first machine been played since paying out?`
	`34`
	
	`How many times has the second machine been played since paying out?`
	`90`
	
	`How many times has the third machine been played since paying out?`
	`1`
		`Martha plays 175 times before going broke.`	0 1 2

Payouts on all machines (machine B triggered first).	`How many quarters does Martha have in the jar?`
	`30`
	
	`How many times has the first machine been played since paying out?`
	`0`
	
	`How many times has the second machine been played since paying out?`
	`90`
	
	`How many times has the third machine been played since paying out?`
	`0`
		`Martha plays 165 times before going broke.`	0 1

Name: _____

Test Cases

Description	Input	Expected Output	Score
Payouts on all machines (machine C triggered first).	How many quarters does Martha have in the jar? 15 How many times has the first machine been played since paying out? 0 How many times has the second machine been played since paying out? 95 How many times has the third machine been played since paying out? 9	Martha plays 150 times before going broke.	0 1
Payouts on machines A and C.	How many quarters does Martha have in the jar? 40 How many times has the first machine been played since paying out? 30 How many times has the second machine been played since paying out? 0 How many times has the third machine been played since paying out? 0	Martha plays 88 times before going broke.	0 1

Test Cases

Description	Input	Expected Output	Score
Payout on machine C only.	How many quarters does Martha have in the jar? 15 How many times has the first machine been played since paying out? 0 How many times has the second machine been played since paying out? 0 How many times has the third machine been played since paying out? 8	Martha plays 24 times before going broke.	0 1
Test condition on enough quarters for loop (visiting all three machines).	How many quarters does Martha have in the jar? 3 How many times has the first machine been played since paying out? 0 How many times has the second machine been played since paying out? 0 How many times has the third machine been played since paying out? 0	Martha plays 3 times before going broke.	0 1

Test Cases

Description	Input	Expected Output	Score
Test condition on enough quarters for second machine.	How many quarters does Martha have in the jar? 1 How many times has the first machine been played since paying out? 0 How many times has the second machine been played since paying out? 0 How many times has the third machine been played since paying out? 0	Martha plays 1 times before going broke.	0 1
Test condition on enough quarters for third machine.	How many quarters does Martha have in the jar? 2 How many times has the first machine been played since paying out? 0 How many times has the second machine been played since paying out? 0 How many times has the third machine been played since paying out? 0	Martha plays 2 times before going broke.	0 1

Test Cases

Description	Input	Expected Output	Score
Martha has a run of "luck".	How many quarters does Martha have in the jar? 999 How many times has the first machine been played since paying out? 34 How many times has the second machine been played since paying out? 99 How many times has the third machine been played since paying out? 9	Martha plays 4770 times before going broke.	0 1
Out of range integer input.	How many quarters does Martha have in the jar? 0	How many quarters does Martha have in the jar?	0 1
Out of range integer input.	How many quarters does Martha have in the jar? 1000	How many quarters does Martha have in the jar?	0 1
String input	How many quarters does Martha have in the jar? five	How many quarters does Martha have in the jar?	0 1
Non-integer input.	How many quarters does Martha have in the jar? 7.5	How many quarters does Martha have in the jar?	0 1
Out of range input on a machine.	How many times has the first machine been played since paying out? 40	How many times has the first machine been played since paying out?	0 1

Comments

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<u>Final score</u>

out of

15

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