Alg 2A 4th Hr Bellwork Wednesday, January 28, 2017

1. A rectangle has an area of 120 cm². Its length and width are whole numbers. How many possibilities for the length and width are there? Which possiblity gives the smallest perimeter?

2. Roberto is shopping in a large department store with many floors. He enters the store on a floor in the middle of the building from a skyway attached to an adjacent building, and immediately goes to the credit department which is on that floor. After making sure his credit is good, he goes up three floors to the housewares department. Then he goes down five floors to the children's department. Then he goes up six floors to the to the top floor where TV's are. Next, he goes down two floors to the furniture department. Finally, he goes down ten floors to the main entrance of the store, which is on the first floor, and leaves the building. On what floor did Roberto enter the building?

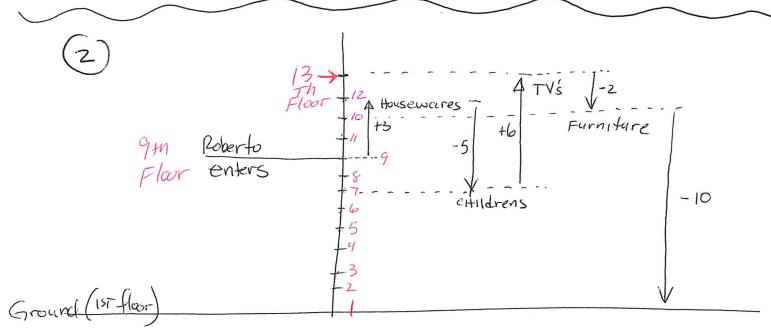
ANSWERS

L.W = 120

	1	(0 1 12 2
	L	W	Perimeter = 2L+2w
	1	20	242
	2	60	124
	3	40	86
	4	30	68
	5	24	58
,	6	20	52
	8	15	46
	10	1	-\ 44

8 Rectargles are possible

10×12 rectangle produces small-of perimeter of 44cm



Poberto entered the store on the 9th floor