

Correct. Let  $a$ ,  $c$ , and  $s$  be the cost of one adult, child, and senior ticket. Then:

$$2a + 3c = 28$$

$$a + c + 2s = 22$$

$$s = c + 1 \text{ or } -c + s = 1$$

Multiply the third equation by  $-2$  and add it to the second:  $a + 3c = 20$

Multiply this by  $-1$  and add it to the first equation:  $a = 8$

Substitute into the first to find  $c = 4$ , and then into the third to find  $s = 5$ .