

Concert Promoter

The responsibilities of a concert promoter include hiring the bands and renting a venue. You be the concert promoter. In this challenge, you will use your knowledge of writing and solving equations to make a decision about the venue for a concert.

General Costs

The main band charges \$500 000.
 The opening band is paid \$50 000.
 There is a \$25 000 security fee.

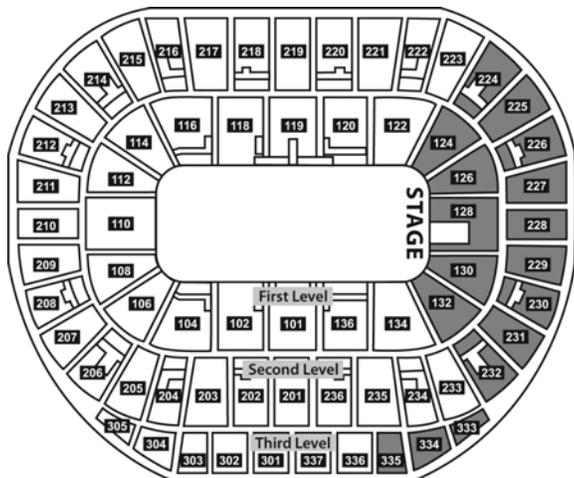
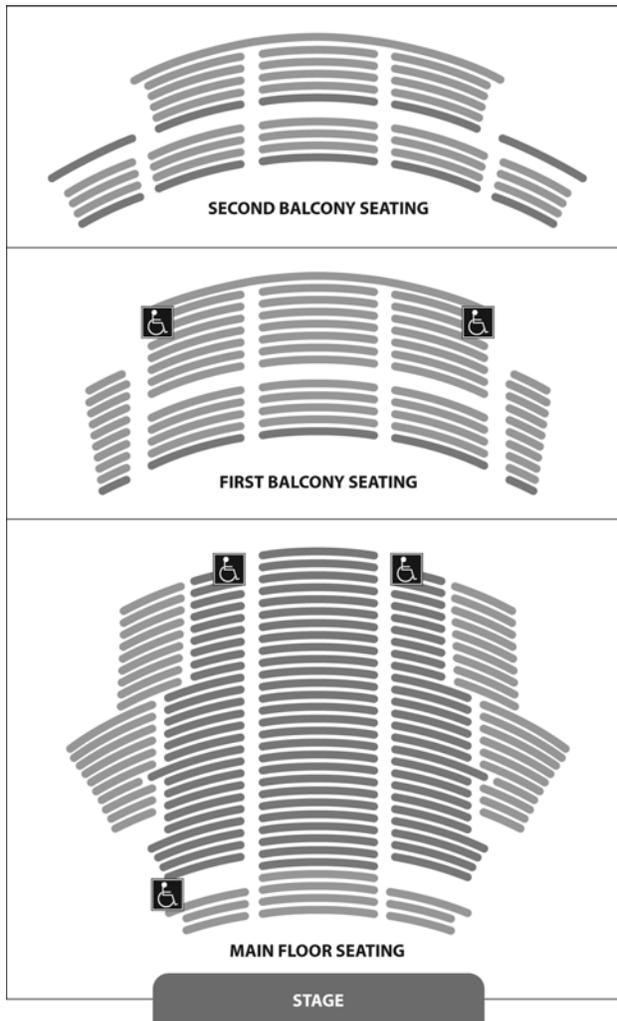
You have a choice of the following two venues.

A. Jubilee Auditorium

The rent is \$100 000.
 There are 9000 seats, including

- 5000 seats on the main floor
- 2000 seats in the first balcony
- 2000 seats in the second balcony

The main floor seats are considered the best. The first balcony seats are considered average. The second balcony seats are the farthest from the stage and are the least expensive.



B. Millennium Place

The rent is \$200 000.
 There are 15 000 seats, including

- 6000 seats in total on the floor and in the first level
- 6000 seats on the second level
- 3000 seats on the third level

The floor and first level seats are considered the best. The second level seats are considered to be average. The third level seats are the farthest from the stage and are the least expensive.

Name: _____ Date: _____

(ML9 Chapter 8 Challenge: Concert Promoter continued)

1. The location of the seats in the venue determines the ticket price. Generally, the best seats are \$20 more per ticket than the average seats. The least expensive seats are \$20 less per ticket than the average seats. For each venue, determine the price and number of tickets you need to sell to cover your costs. Show your thinking and calculations.
2. Assume you are going to sell all of the tickets. For each venue, how much would you need to charge for each type of ticket to make a profit of \$225 000? Show your thinking and calculations.

