

## **Basketball seating analysis**

Use the following seating chart to determine the approximate gross amount of ticket sales for a basketball game at Madison Square Garden.

<b>section</b>	<b>price</b>	<b>seats available</b>
balcony	\$ 75.00	1000
400 back rows	\$ 10.00	1200
400 middle rows	\$ 49.00	1200
400 front rows	\$ 65.00	1200
200 Corner/Ends Upper	\$ 60.00	2000
200 Corner/Ends Lower	\$ 79.00	2000
200 Corner/Ends Front Row	\$ 135.00	2000
200 Center Upper	\$ 73.00	3000
200 Center Lower	\$ 93.00	3000
200 Center Front Row	\$ 160.00	1500

The total seating is approximately 18,000. Create a chart in Excel that will show the above seating and pricing. Calculate the prices for a sold-out game(100% sold), 75% sold and 50 sold game events.

Hint:

Use above information

Write an equation for calculating the price times the amount for 100% seats sold.

Use the 100% calculation to create equations for 75% and 50%