

You are planning a five-year class reunion for your high school class. Two hundred people plan to attend the reunion. The standard prices for the number of people attending the reunion are listed below.

Food \$850 Room Rental \$750 Beverages \$300 Entertainment \$100

The standard pricing is for a Friday or Saturday, which are the most popular days for reunions. Holding the event on a Sunday will change the pricing. On Sundays, the restaurant offers a 10% discount on the room rental, but the entertainment increases by 20%. Food and beverage prices stay the same. Which is the better deal? Show or explain how you found the answer.

Yes, booking on a Sunday is a better deal.

Cost on a Friday or Saturday: \$2,000

Cost on a Sunday: \$1,945

Food and Beverage: \$1,150

Entertainment: $120 (100 \times 1.20)$

Room Rental: \$675 (750 × 0.90)

The cost of the food and the beverage will stay the same any day. The entertainment becomes 120% of the standard price, \$120. The room rental becomes 90% of the original price, \$675.