

1. The average weekly sales of a showroom is 180 thousand taka and has a standard deviation of 25 thousand taka. The showrooms that are able to record sales between 150 thousand to 220 thousand taka per week are labeled as “Value Stores”.
 - a. Determine the 48th percentile value of the weekly sales.
 - b. What is the probability that a randomly selected showroom records sales of more than 230 thousand taka a week?
 - c. What is the probability that a randomly selected showroom will not be labeled as a “Value Store”?
 - d. Clearance sales are often held at showrooms that fall in the bottom 11.35% among the value stores. What is the minimum sales a “Value Store” should record if it is to avoid holding a clearance sale?