Using the 68-95-99.7 rule for normal distributions

The question: In a normal distribution, what proportion of scores are …..?

Answer: In some special cases, we can answer that question very easily, using the 68-95-99.7 rule.

First fact:
In a normal distribution, about 99.7% of the scores are within three standard deviations of the mean.

Illustrations: Here the mean is 31 and the standard deviation is 4.