PROBLEM SOLVED

MAKING SENSE OF MATHEMATICS

Tori is touring a flight simulation facility where director Tom Schnau and his team develop support systems for training military pilots. Tom's been explaining all the requirements individuals have to meet to become a pilot for the Air Force, one of which is that a person's height must be between 64 and 77 inches. Air Force pilots are restricted to a certain height range because of the design of the cockpits.

Tori wonders what percentage of adults would actually meet the height requirement. In the United States, the average height of a man is approximately 70 inches, or 5 foot 10, and women average 64 inches, or 5 foot 4, and the standard deviations for men and women's heights are 3 and 2.5 inches, respectively. Use the normal distribution of the height data to estimate what percentage of men and women meet the height requirement to become an Air Force pilot.

MakingSense