

1. The scores on the exam are posted. The mean is 78 and the standard deviation is 4.
 - a) James scored an 82. What percent of the students scored higher than James?
 - b) Mary scored an 86. What percent of the students scored higher than Mary?
 - c) Tom scored a 74. What percent of the students scored below Tom?

2. Adults have a pulse rate of 73 beats/min with a standard deviation of 12.
 - a) Jon's pulse is an 85. What percent of the adults have a higher pulse than Jon?
 - b) Jay's pulse is a 61. What percent of the adults have a higher pulse than Jay?

3. The mean head circumferences of baby girls is 40 cm with a standard deviation of 1.6 cm.
 - a) Janice's daughter has a head circumference of 41.6. What percent of baby girls have a larger head circumference?
 - b) If a baby girls head circumference is a 36.8, what percent of babies have a smaller head?

4. If women's heights have a mean of 63.6 and a standard deviation of 2.5, what can you say about the percentage of women whose heights fall between 58.6 and 68.6?
Between 61.1 and 66.1?

54. Women's heights have a mean of 63.6 inches and a standard deviation of 2.5.
- What percent of women are taller than 66.1 inches?
 - What percent of women are shorter than 61.1 inches?
 - What percentage of women whose heights fall between 58.6 and 68.6?
 - Between 61.1 and 66.1?
 - What percent of women are taller than 68.6 inches?
 - What percent of women are between 66.1 and 68.6 inches tall?

65. Men's heights have a mean of 69.0 inches and a standard deviation of 2.8.
- Between what heights do the middle 68% of the population fall?
 - What % of men are shorter than 66.2 inches?
 - What % of men are taller than 74.6 inches?
 - What % of men are between 63.4 and 66.2 inches tall?
 - What % of men are between 71.8 and 77.4 inches tall?