

**Health Science Pathway**  
**Data and Statistics Module**  
**Practice Questions 3**

1. The median is a more appropriate measure of central tendency than the mean when the distribution is:  
A) Symmetrical  
B) Skewed  
C) Normal  
D) Bimodal
2. A normal distribution is best described when:  
A) Researchers superimpose a smooth curve instead of a series of straight lines over a histogram.  
B) The tail of the distribution trails off to the left in the direction of the lower scores.  
C) The tail of the distribution trails off to the right in the direction of the higher scores.  
D) The large majority of scores are concentrated in the middle of the distribution and the scores decrease in frequency the further away from the centre they are.
3. A negatively skewed distribution is best described when:  
A) The tail of the distribution trails off to the right in the direction of the higher values.  
B) The tail of the distribution trails off to the left in the direction of the lower values.  
C) The large majority of scores are concentrated in the middle of the distribution and the scores decrease in frequency the further away from the centre they are.  
D) The median is generally lower than the mean.

**Answers:**

1. B skewed. (see the retirement age graphs for the negatively and positively skewed distributions shown in the previous section)
2. D
3. B