

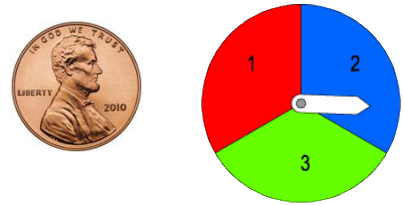
A five-section spinner is spun 50 times. The table shows the results.

Number on spinner	Times it stopped
1	13
2	8
3	11
4	6
5	12

1. Find the experimental and theoretical probability of spinning a 5. Compare these probabilities to determine if they are close or not. Explain how you know.

2. Ginger and Micah are playing a game in which a coin is tossed once and a 3 section spinner with the numbers 1,2,3 is spun. If the outcome is heads on the coin and an odd number on the spinner, Ginger wins. Otherwise Micah wins.

a. Show the sample space of playing this game.



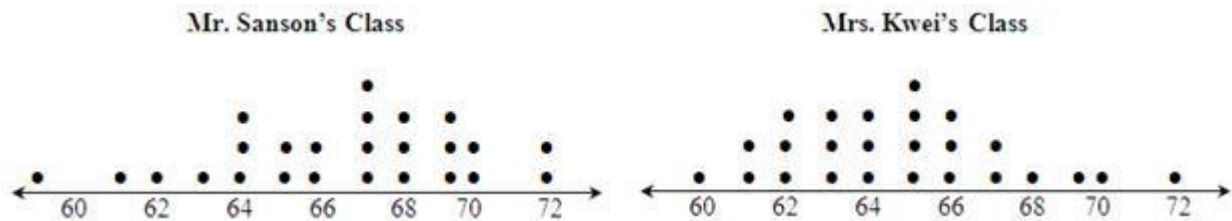
b. What is the probability that Ginger will win?

3. A restaurant offers two desert; ice cream and Chocolate cake in 3 different sizes, regular, large and jumbo.

a) Show the sample space of picking desert.

b) What is the probability of selecting a large Ice cream?

4. Class scores for Mr. Sanson’s class and Mrs. Kwei’s class are shown in the dot plots below.



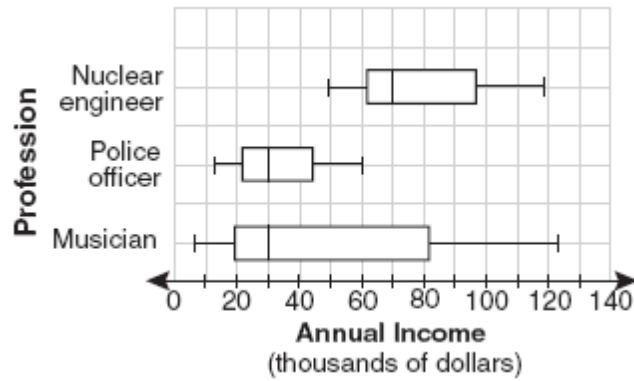
Find the **median** and **IQR** for each of the classes:

Mr. Sanson’s Class

Mrs. Kwei’s Class

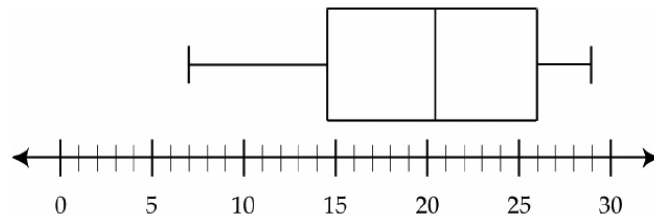
5. Which class had more consistent scores (less variation)? How can you tell? Explain all of your thinking.

The accompanying box-and-whisker plots can be used to compare the annual income of three professions.



6. Which profession has the highest median income?
7. Which profession has the most consistent income? How can you tell?
8. Which profession has the highest variance? Why do you think that is?

The accompanying box-and-whisker plot represents the cost, in dollars, of twelve CD's.



9. How many CD's are represented in each quartile? Explain how you know.