Olympic Probability Archery

Probability: the chance that a certain event will occur.

The target is split into 5 areas. Each area is worth a certain amount of points. Juliet shoots one arrow toward the target. All things equal, what is the probability that she hits...

1. the red area?

2. the black or white area?

3. more than 30 points?

4. less than 50 points?

The target is split into 5 areas. Juliet shoots one arrow toward the target. All things equal, the arrow hits the black area for 20 points. Juliet shoots a second arrow toward the target. All things equal, what is the probability that she scores a total of...

1. 40 points?

2. 50 points or more?

3. 40 points or less?

4. 30 points or more?