

34. What is the probability of winning a medium prize?

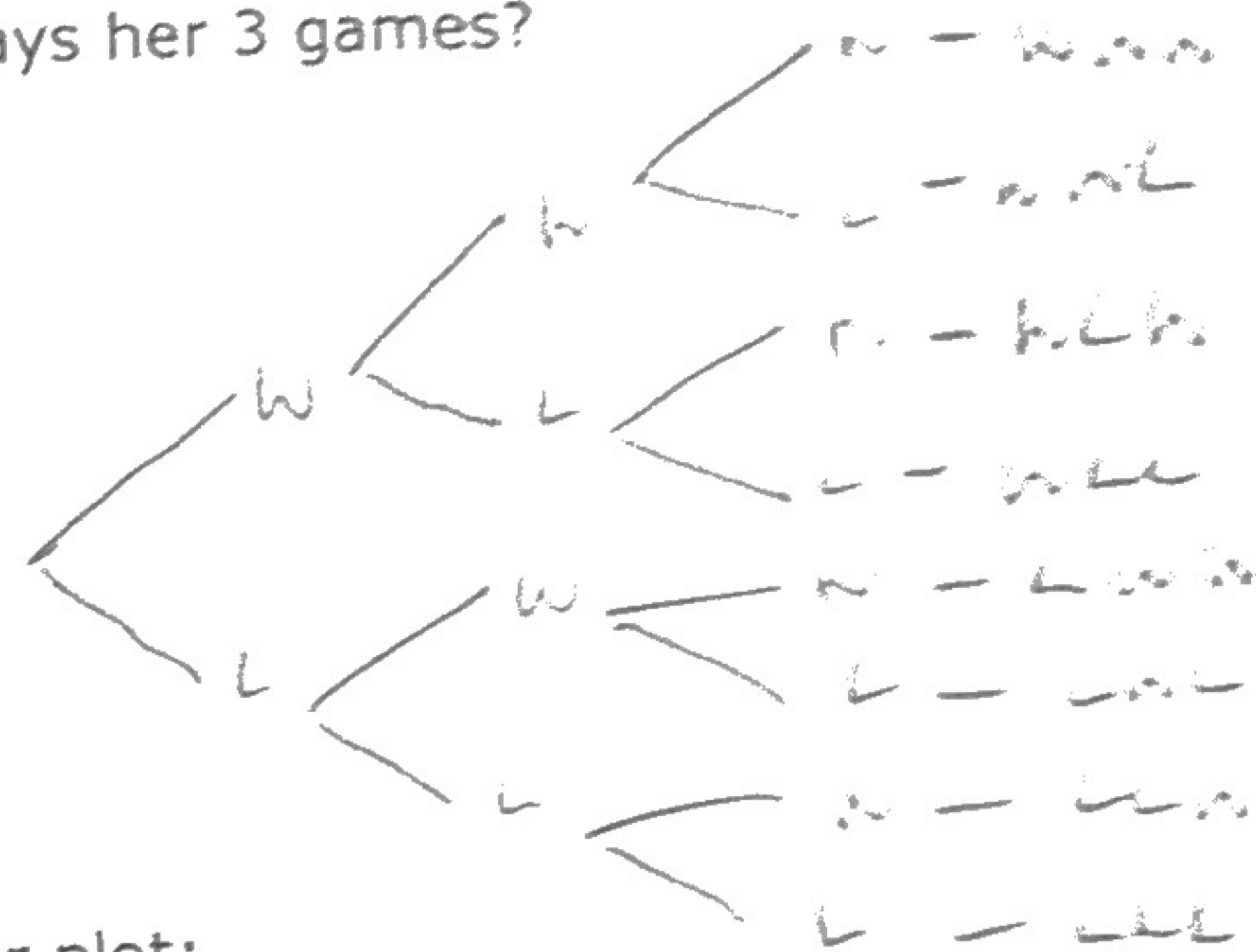
- A. $\frac{1}{2}$
- B. $\frac{2}{3}$

- C. $\frac{5}{8}$
- D. $\frac{6}{8}$
- E. Not Here

Kayla plays chess. Next week she will be competing in a tournament in which she will play 3 games. To win a trophy, she must win at least 2 games. (MAMDMD1)

35. How many total possible outcomes can she have when she plays her 3 games?

8 outcomes



36. What is the probability she will win at least 1 game?

$$\frac{7}{8} = .875 = 87.5\%$$

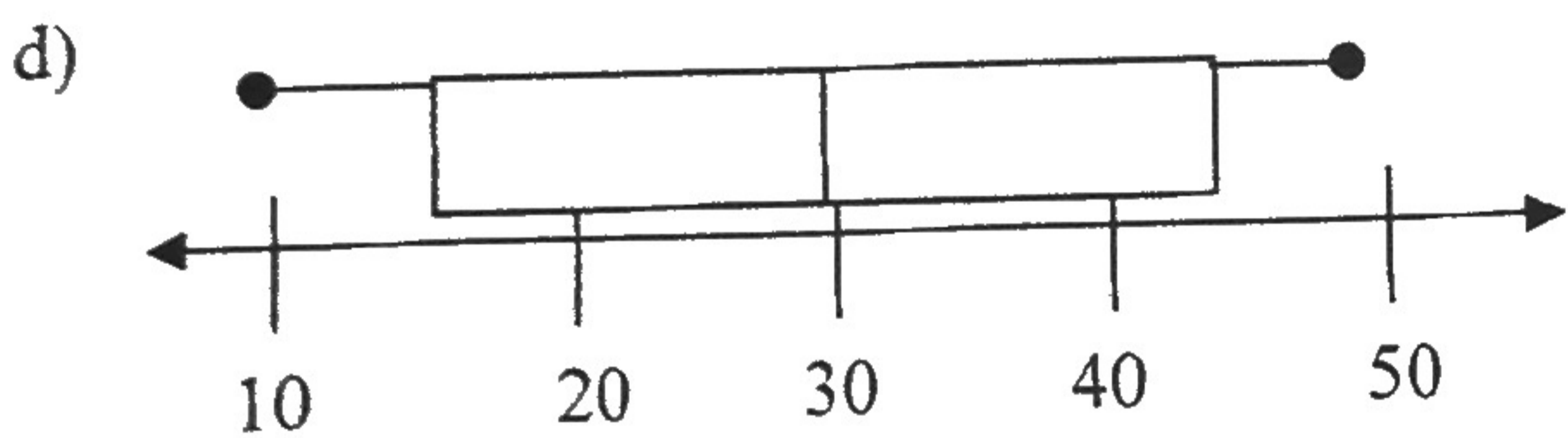
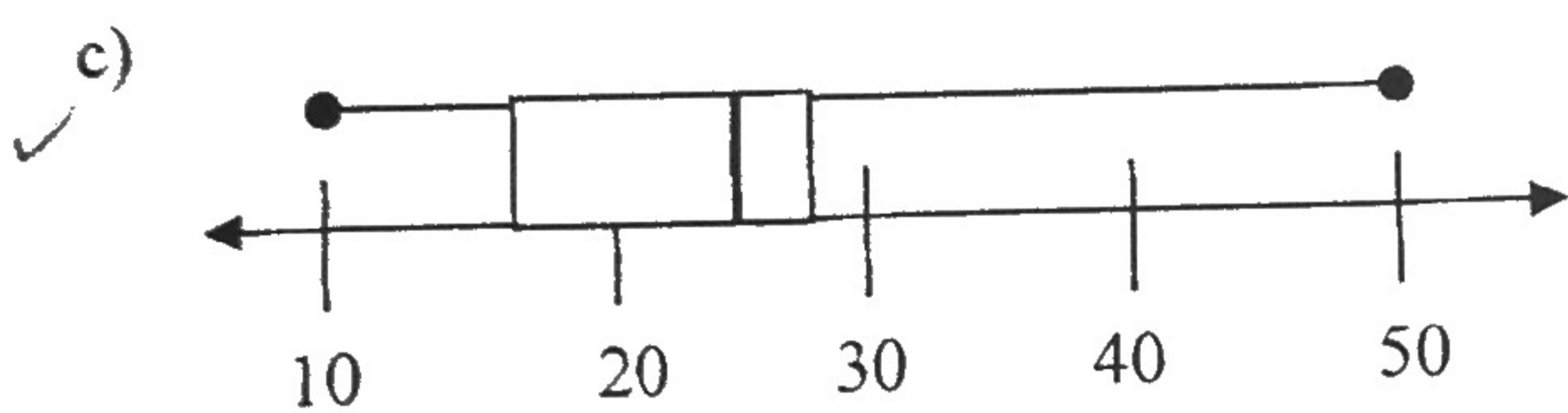
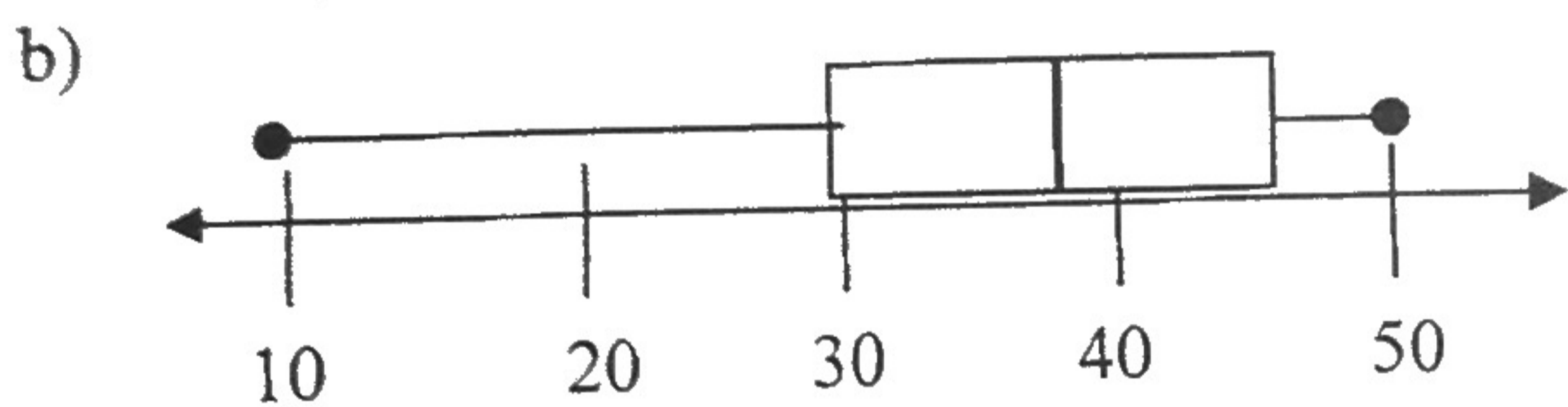
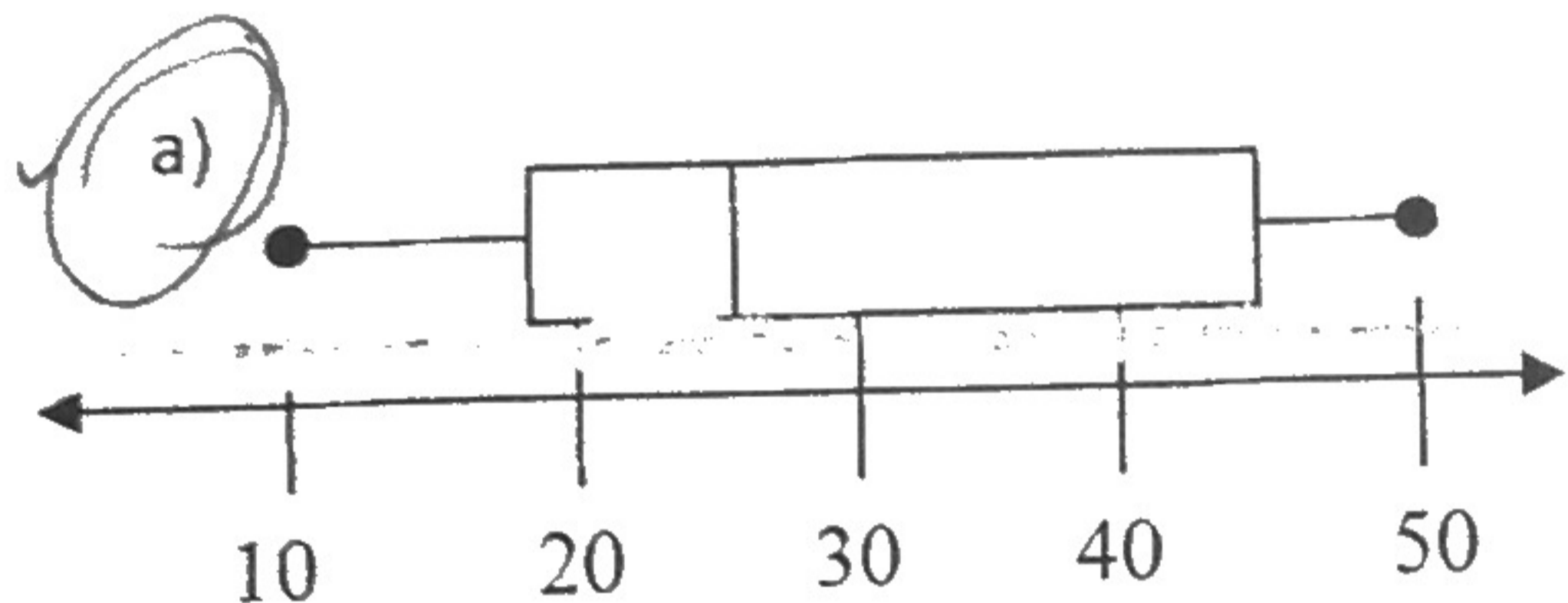
37. What is the probability of winning a trophy?

$$\frac{4}{8} = .5 = 50\%$$

38. (MAMDMD2) Use the following data to identify the box and whisker plot:

48, 47, 16, 31, 26, 40, 11, 23, 50, 18, 42, 49, 19, 28, 10

10, 11, 16, 18, 19, 23, 25, 26, 40, 42, 47, 48, 49, 50



39. (MAMDMD2) Calculate the IQR for the following data:

27, 43, 98, 104, 132

$$Q_1 = \frac{43 + 27}{2} = 35$$

$$Q_3 = \frac{132 + 104}{2} = 118$$

$$IQR = 118 - 35 = 83$$