

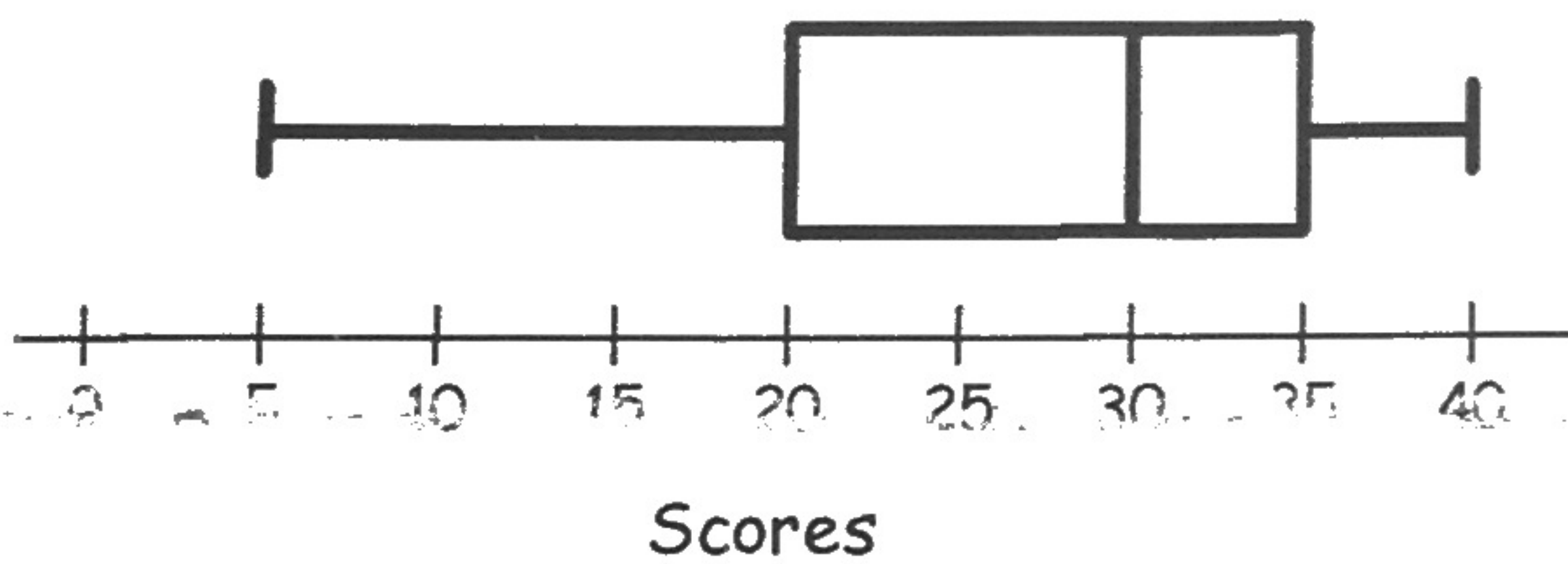
28. (MAMDMD3) Which of the following graphs would you use if you wanted viewers to see individual data points?

- a) Box-plot
- b) Histogram
- c) Dot-Plot
- d) Frequency Chart

29. (MAMDMD3) Katrina wanted to find out if different people ate different snacks depending on the time of day. She stood beside the vending machine in the H hallway and recorded what snacks were taken out of the machine and what time of day. What type of sampling was this?

- a) Simple random sampling
- b) Stratified sampling
- c) Cluster sampling
- d) Convenience sampling
- e) Systematic sampling

30. (MAMDMD2) Give the box plot below, the middle 50% of the data lies between:



Between  $Q_1$  and  $Q_3$   
20 - 35

**You are thrown 4 fastballs and you must hit them in a fair zone to count.** (MAMDMD1)

If you hit all 4 in a fair zone you win the big prize  
If you hit 3 or 2 in a fair zone you win a medium size prize  
If you hit 1 in the fair zone you get the small prize  
If you hit zero you do not win and receive no prize.

31. What is the probability you will win the big prize?

- A.  $1/16$
- B.  $3/32$
- C.  $4/18$
- D.  $5/25$
- E. Not Here

*make a tree  
Diagram*

- C.  $1/4$
- D.  $5/25$
- E. Not Here

32. What is the probability of getting the small prize?

- A.  $3/41$
- B.  $2/36$

33. What is the probability of getting nothing?

- A.  $1/19$
- B.  $1/17$
- C.  $2/18$
- D.  $1/16$
- E. Not Here