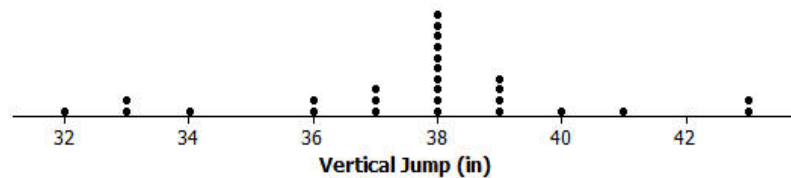


Problem Set

- The dot plot below shows the vertical jump height (in inches) of some NBA players. A vertical jump height is how high a player can jump from a standstill.

Dot Plot of Vertical Jump

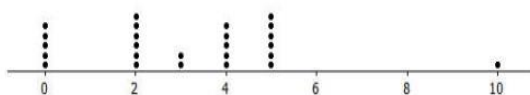


- What statistical question do you think could be answered using these data?
 - What was the highest vertical jump by a player?
 - What was the lowest vertical jump by a player?
 - What is the most common vertical jump height (the height that occurred most often)?
 - How many players jumped the most common vertical jump height?
 - How many players jumped higher than 40 inches?
 - Another NBA player jumped 33 inches. Add a dot for this player on the dot plot. How does this player compare with the other players?
- Below are two statistical questions and two different dot plots of data collected to answer these questions. Match each statistical question with its dot plot, and explain each choice.

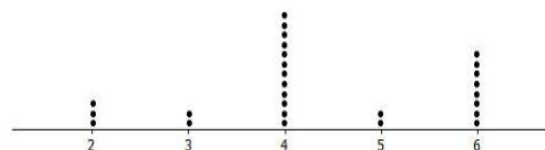
Statistical Questions:

- What is the number of fish (if any) that students in class have in an aquarium at their homes?
- How many days out of the week do the children on my street go to the playground?

Dot Plot A



Dot Plot B



3. Read each of the following statistical questions. Write a description of what the dot plot of data collected to answer the question might look like. Your description should include a description of the spread of the data and the center of the data.
- What is the number of hours sixth graders are in school during a typical school day?
 - What is the number of video games owned by the sixth graders in our class?