Class exercise set 1: Measurement Levels (or scales)

A. Name the measurement level for each of these variables (and say why you chose your answer):

1. Average score at bowling for each player in a bowling league
   ratio
2. Placement in a bowling league
   ordinal
3. All the team names in the bowling league
   nominal
4. Average speed at which each player in the bowling league bowls the ball
   ratio
5. Bowling skill knowledge, as measured by a survey given to all bowling league members (survey was multiple choice, had 30 questions, and generated a score between 0 and 30).
   interval
6. The score on the above test (just as a score, not as a measure of knowledge)
   ratio

B. Let’s say you have knowledge of ranks, and want to convert it to a ratio scale. Can you legitimately do this, without any extra information?

   No. Additional information is needed.