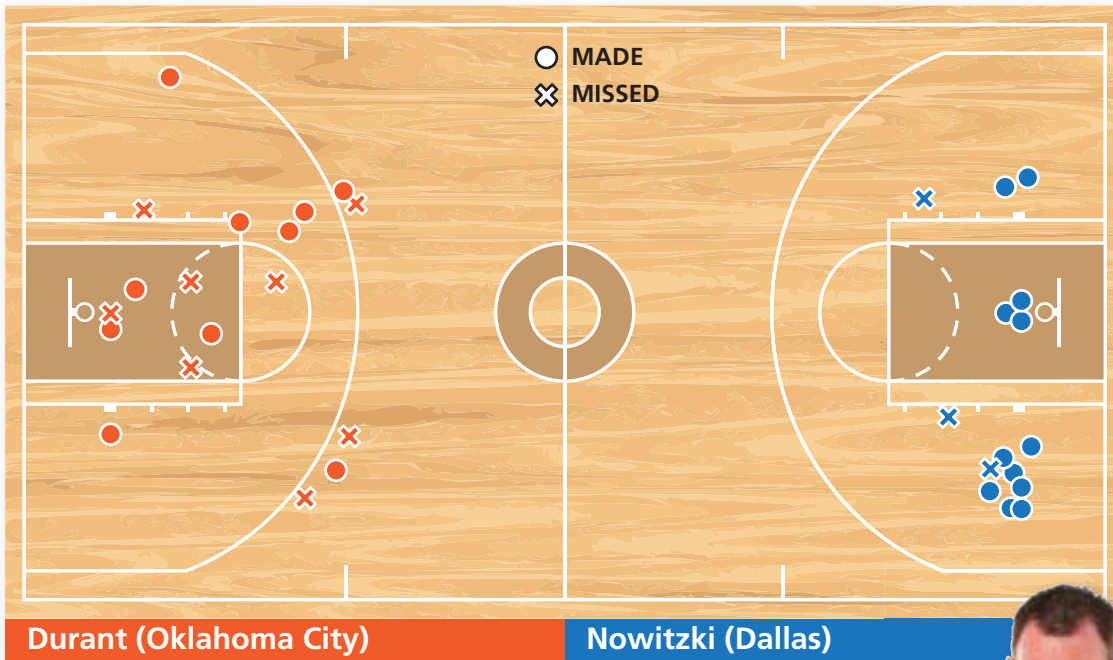


**NBA Shot Chart** The Dallas Mavericks hosted the Oklahoma City Thunder in game 1 of the Western Conference finals on May 17, 2011. The shot chart shows the final field goal data for Kevin Durant and Dirk Nowitzki, the top scorers on each team. In Exercises 15–21, use the shot chart. (See Examples 5 and 6.)



15. Which player attempted more field goals? Explain your reasoning.
16. Field goal percentage is the number of field goals made divided by the number of field goals attempted. Which player had a greater field goal percentage?
17. Nowitzki had one of the most efficient playoff games in NBA history. Not only did he shoot a high percentage from the floor, he also made 24 out of 24 free throws (an NBA playoff record). How many points did Nowitzki score?
18. The Thunder's final score was 112. Nowitzki accounted for 39.7% of the Mavericks' final score. Which team won the game? Explain your reasoning.
19. What was Durant's 3-point field goal percentage?
20. Durant accounted for 35.7% of the Thunder's 112 points. How many free throws did he make during the game?
21. What observations can you make about the variability of shot selection for each player?
22. **Long Range** Would you rather shoot 40% from 3-point range or 50% from inside the 3-point line? Explain your reasoning.

