

Project Based Math 112, Fall 2001  
Activity §6.4 — Average Value

The temperature on a July day starts at 60 degrees at 8 a.m. and rises steadily to 96 degrees at 8 p.m.

1. Why can't you say with certainty that the average temperature between 8 a.m. and 8 p.m. was 78 degrees?
2. What can you say about the average temperature during this 12 hour period?
3. Suppose you also know that the average temperature during this period was 84 degrees. Is it possible that the temperature was 80 degrees at 6 p.m.? At 4 p.m.?