

AP Statistics

Unit 03 – Sampling

Homework #2

Name _____

Period _____

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37. C

38. C

39. D

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41. D

42. C

43. a) For each additional day, the predicted sleep debt increases by about 3.17 hours.

b) The predicted sleep debt for a 5-day school week is $2.23 + 3.17(5) = 18.08$ hours. This is about 3 hours more than the researcher claimed for a 5-day week, so the students have reason to be skeptical of the research study's reported results.

44. a) 95% of the other bandwidth measurements will be less than this amount.

b) 98th percentile, because it would suggest a higher usage of bandwidth by the company.