Experiment

1. A psychologist is conducting a natural experiment to investigate whether students who eat breakfast on the day of their psychology exam perform better in the exam (i.e. the grade achieved) than students who do not eat breakfast on the day of the exam. The psychologist is using a systematic sample. The mode of grades for those students who ate breakfast and the mode of grades for those students who did not eat breakfast were then calculated and placed into a table.

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| *Modal scores* |
| Mode of grades for students who ate breakfast | Mode of grades for students who did not eat breakfast |
| B | C |

(June 2010)

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