## Knowledge questionnaire 9015

1. List at least three questions to ask when you are confronted with statistical results or comments. (3)
2. List three sources of primary information(3)
3. List two sources of internal information (2)
4. List three questions you must ask yourself when you are evaluating outside information (3)
5. List one strength and one weakness of surveys (2)
6. List two things you can do to increase participation rates in surveys (2)
7. Name three demographic definitions that you can use to categorise target groups. (3)
8. What is a ‘population’ (1)
9. What is a ‘variable’ (1)
10. What is a ‘sample’ (1)
11. What is a ‘parameter’ (1)
12. What is a ‘statistic’(1)
13. Explain Bias (1)
14. Why is the ideal to aim for low bias and high precision? (2)
15. Explain Simple random sampling (SRS) (4)
16. Explain how to select from 10 using the table of random digits from handout 1. (4)
17. Explain systematic sampling (2)
18. How are sampling errors caused? (1)
19. How are non-sampling errors caused? (1)
20. Explain Likert scales (3)
21. Explain validity. (1)
22. Explain probability. (1)
23. When you roll two die there are 36 possible combinations. What is the probability of each possible outcome? (1)
24. List the five different combinations that produce a 6 (5)
25. What is the probability of getting a 6? (1)
26. There are about 14 million possible combinations of numbers appearing in the Lotto. What are your chances of winning? (1)
27. Explain mean. (1)
28. Explain median (1)
29. Explain mode (1)
30. Explain the frequency of a value (1)
31. Name three things to remember when putting data in a graph (3)
32. Calculate the mean for the following results that a learner got in tests: Mathematics 55, English 63, Geography 72, Science 55, History 76, Second language 68 (1)
33. In the course of nine days, the following number of expensive books were sold in a shop: 13, 18, 13, 14, 13, 16, 14, 21, 13. Find the mean (1)
34. Find the mode (1)
35. Find the median (1)

**TOTAL: 62**