6 Confidence intervals – Part 1 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 because a sample estimate varies by chance, so a range shows how uncertain it is.
2.2 $45\% \pm 4\%$, i.e. 41% to 49%.
2.3 $70\% \pm 2\%$, i.e. 68% to 72%.
2.4 it makes the margin of error smaller (a narrower interval).
2.5 the method captures the true value about 95% of the times it is used.