

Solutions

2.1 $24/80=0.3$.

2.2 $600 \times 0.3 = 180$.

2.3 $80 - 24 = 56$.

3.1 False. A sample with 24 walkers out of 80 estimates 30%; applying it to 600 estimates 180 walkers. The unobserved people may have a different proportion, so arithmetic correctness does not remove sampling uncertainty.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.