

Solutions

Each answer shows the steps, then the **result**.

2.1

- the distribution matches the claimed proportions

2.2

- $E = n \cdot p_i$

2.3

- $E = 200 \times 0.25 = 50$

3.1 B

3.2 A

3.3

(a)

- $120 \times \frac{1}{6} = 20$

(b)

- $\chi^2 = \sum \frac{(O - E)^2}{E}$