

Solutions

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

2.1

- observed counts with the counts expected under the null hypothesis

2.2

- the counts that actually occur in each category of the data

2.3

- the counts predicted in each category if the null hypothesis were true

3.1 B

3.2 B

3.3

(a)

- categorical (counts of each face)

(b)

- $60 \div 6 = 10$

(c)

- a chi-square (goodness-of-fit) test