**Exercise 1**

**1.** **The random variable**

**for each trial. The parameters are:**

* **Number of trials (n): 50**
* **Probability of success (p): 0.85**

**Therefore,**

**X∼B (50,0.85).**

**2.** A screenshot of a computer program

Description automatically generated

**Exercise 2**

**1.** **The random variable**

**X is the number of customer calls received in an hour.**

**2. X follows a Poisson distribution. This is because it counts the number of events (calls) occurring in a fixed interval (one hour) at a known average rate (λ).**

**3.** A screenshot of a computer program

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