

Porridge

Problem: Our aim is to simulate the probability of randomly selecting a plain flavored sachet from a box containing three sachets each of four flavors, one of which is plain.

Plan:

Our aim is to simulate the probability of randomly selecting a plain flavored sachet from a box containing three sachets each of four flavors, one of which is plain. Since there are 3 sets of four different flavours, we are planning to use 3 sets of four different coloured counters. Each colour would represent a different flavour.

Blue, Green and Red are the different flavours and Yellow for the plain flavour. In total we will use 12 counters. All these counters will be put into a container/ pencil case and nicely shaken before we pick a random counter. We are planning to conduct at least 30 trials to ensure that we get reliable results. Picking the counter with closed eyes will also help with the reliability of the results.

- Person 1-
- Person 2-
- Person 3-

Data:

Counter	Tally	Frequency	Relative Frequency

Graph: 2 bar graphs

Analysis: Our aim is to simulate the probability of randomly selecting a plain flavored sachet from a box containing three sachets each of four flavors, one of which is plain.

From the above data table and graph, you can see that the probability of plain sachet is

Calculate the probability of different flavours here.

Conclusion:

1. Write a conclusion about your findings that answers your investigative question and provides supporting evidence for this answer.

2. Reflect on your investigation, and discuss any changes or improvements you would make if you did the investigation again.