**QUESTION ONE**

Get a plastic water bottle and fill it **one quarter** with water. You will use this bottle to flip and you will record the amount of times that it lands upright. Each TEN times you flit it, record JUST THE NUMBER OF TIMES IT LANDS UPRIGHT. Flip it as many times as possible over the course of the assessment period. The more data that you gather, the more robust your investigation will be. You need to flip it 100 times.

(5 marks)

|  |  |  |  |
| --- | --- | --- | --- |
| **ONE QUARTER FULL BOTTLE** | | | |
| Flip Number | Number of Successful Landings | Flip  Number | Number of Successful Landings |
| 01-10 |  | 51-60 |  |
| 11-20 |  | 61-70 |  |
| 21-30 |  | 71-80 |  |
| 31-40 |  | 81-90 |  |
| 41-50 |  | 91-100 |  |

**QUESTION TWO**

Get a plastic water bottle and fill it **one half** with water. You will use this bottle to flip and you will record the amount of times that it lands upright. Each TEN times you flit it, record JUST THE NUMBER OF TIMES IT LANDS UPRIGHT. Flip it as many times as possible over the course of the assessment period. The more data that you gather, the more robust your investigation will be. You need to flip it 100 times.

(5 marks)

|  |  |  |  |
| --- | --- | --- | --- |
| **ONE HLF FULL BOTTLE** | | | |
| Flip Number | Number of Successful Landings | Flip  Number | Number of Successful Landings |
| 01-10 |  | 51-60 |  |
| 11-20 |  | 61-70 |  |
| 21-30 |  | 71-80 |  |
| 31-40 |  | 81-90 |  |
| 41-50 |  | 91-100 |  |

**QUESTION THREE**

Get a plastic water bottle and fill it **three quarters** with water. You will use this bottle to flip and you will record the amount of times that it lands upright. Each TEN times you flit it, record JUST THE NUMBER OF TIMES IT LANDS UPRIGHT. Flip it as many times as possible over the course of the assessment period. The more data that you gather, the more robust your investigation will be. You need to flip it 100 times.

(5 marks)

|  |  |  |  |
| --- | --- | --- | --- |
| **THREE QUARTERS FULL BOTTLE** | | | |
| Flip Number | Number of Successful Landings | Flip  Number | Number of Successful Landings |
| 01-10 |  | 51-60 |  |
| 11-20 |  | 61-70 |  |
| 21-30 |  | 71-80 |  |
| 31-40 |  | 81-90 |  |
| 41-50 |  | 91-100 |  |