Working as a Scientist

TEST REVISION

1. **Read the following statement and tick the box that it belongs to:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | OBSERVATION | INFERENCE | PREDICTION |
| The woman is on the telephone |  |  |  |
| Jason is not at school today, he must be sick |  |  |  |
| Sally’s mums car is green |  |  |  |
| Everybody is packing up, I think the bell will go soon |  |  |  |
| I think Ms Johansen will give us lollies tomorrow |  |  |  |
| It must be cold outside  |  |  |  |
| Everyone is wearing jumpers |  |  |  |

1. **Johnny wants to light a Bunsen burner. In the space below list the 10 steps he must take to do so correctly:**

Here is the equation for working out averages:

$$Average=\frac{measurement 1+measurement 2+measurement 3+…last measurement}{how many measurements were made}$$

You can also work out averages like this:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

Measurement 1

Measurement 2

Average

The average is the number that is in the ‘centre’ of all the other numbers you have in a set of data.

1. **Using the equation above, find the average of the following:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time | Temperature measurement 10C | Temperature measurement 2 0C | Temperature measurement 3 0C | Average 0C |
| Start | 26  | 28 | 26 |  |
| 5 min | 29 | 30 | 30 |  |
| 10 min | 31 | 33 | 32.5 |  |
| 15 min | 33 | 34 | 33.5 |  |

1. **Write a hypothesis for each aim:**

To determine if washing hands with soap is better than using hand sanitiser

To determine if bribing the teacher reduces the amount of homework set

1. **Name the following equipment:**





 