|  |  |  |
| --- | --- | --- |
| **Year 11 Essentials** Mini Test 1.7Interpreting and drawing Graphs Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Total Marks: /29 |  |
| Resources allowed: Calculator | Total Time: 30 mins | Weighting: 1% |

1. (9marks)

Complete the table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data** | **Numerical or Categorical** | **Discrete or continuous** | **Best graphical display**  (Line, bar, pie etc.) |
| Growth of a plant |  |  |  |
| Colours of Cars |  |  |  |
| Shoe sizes of students |  |  |  |

1. (9 marks)

Refer to the following graph

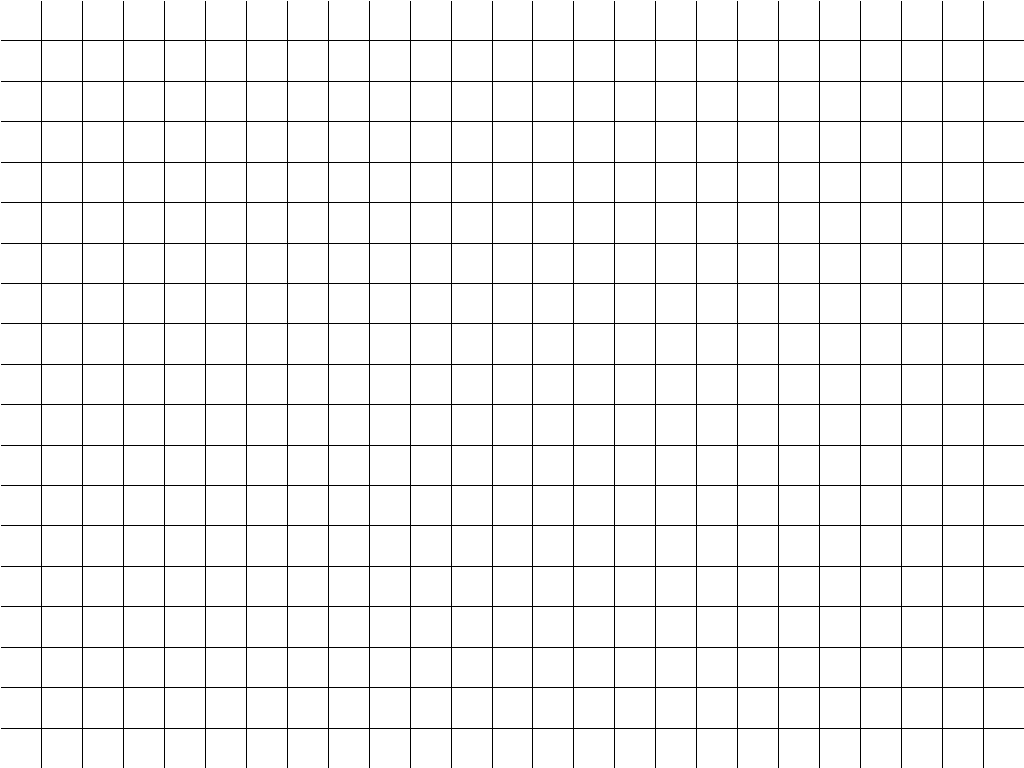
|  |  |
| --- | --- |
| 1. What is the best-selling Fruit? 2. How many lemons were sold in total? | Type of fruit Amount of fruit sold |
| 1. How many fruits were sold in total? 2. What percentage of the fruit sold were bananas? (2 decimal places) 3. If pears were sold for $1.50 per fruit, how much revenue will be generated by the sale of pears? | |

1. (11 marks)

The following table shows the average price of Unleaded Petrol for each day in the Perth Metro area for the past 2 weeks.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | Sun | Mon | Tues | Wed | Thurs | Fri | Sat | Sun | Mon | Tues | Wed | Thurs | Fri | Sat |
| Price(c) | 135 | 132 | 152 | 150 | 146 | 142 | 139 | 136 | 133 | 155 | 151 | 149 | 146 | 142 |
| Source: https://www.fuelwatch.wa.gov.au/ | | | | | | | | | | | | | | |

1. Represent this data in a line graph



1. Which day of the week would you fill up on? Why?
2. Which day of the week would you avoid filling your car up on? Why?
3. Describe the trend of the fuel prices during this fortnight.

**~End of Test~**