

Year 11 Essentials

Mini Test 1.7

Interpreting and drawing Graphs



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Name: Solek Mary

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	N	C	line
Colours of Cars	C	D	pie
Shoe sizes of students	N	D	Bar

2. (9 marks)

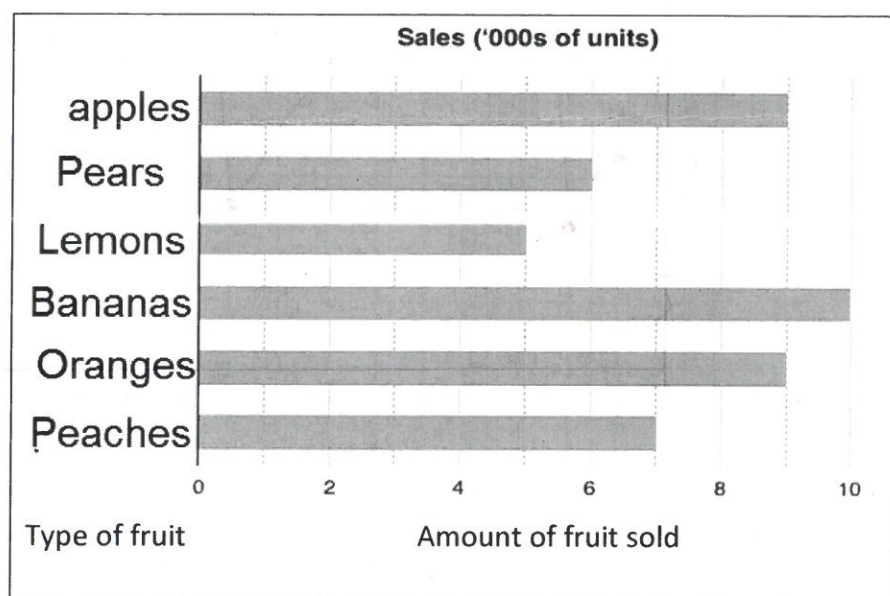
Refer to the following graph

a) What is the best-selling Fruit?

Banana ✓

b) How many lemons were sold in total?

5000



c) How many fruits were sold in total?

46 or 46000 ✓✓

d) What percentage of the fruit sold were bananas? (2 decimal places)

$$\frac{10000}{46000} \times 100\% = 21.74\%$$

e) If pears were sold for \$1.50 per fruit, how much revenue will be generated by the sale of pears?

$$6 \times \$1.50 \times 1000 = \$9000$$

3. (11 marks)

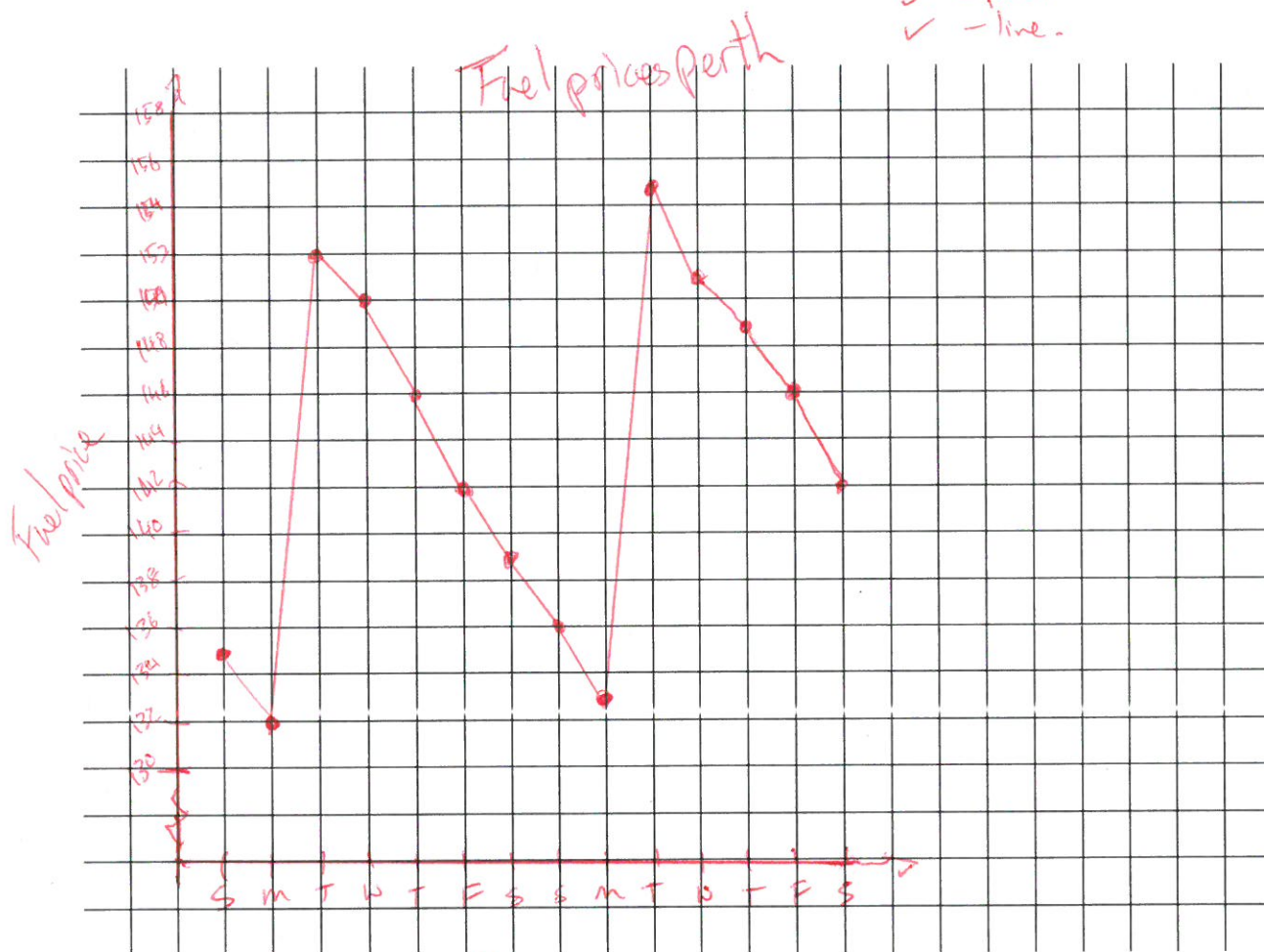
The following table shows the average price of Unleaded Petrol for each day in the Perth Metro area for the past 2 weeks.

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/>

a) Represent this data in a line graph

- ✓ - Title
- ✓ - axes
- ✓ - scale
- ✓ - point
- ✓ - line



b) Which day of the week would you fill up on? Why?

Monday cheapest

c) Which day of the week would you avoid filling your car up on? Why?

Tuesday, most expensive

d) Describe the trend of the fuel prices during this fortnight.

The price shoots up on Tuesday and drops gradually before shooting up again on Tuesday

~End of Test~