

UNIT 11 *Data Collection and Presentation*

Extra Exercises 11.1

1. The data base below give information about 6 schools:

<i>School</i>	<i>Number of Pupils</i>	<i>MEP</i>	<i>Type</i>	<i>Number of Staff</i>	<i>Area of Playing Fields</i>
Hillside	847	Yes	Mixed	43	14 120 m ²
St Marks	1894	No	Mixed	96	31 570 m ²
Turnchapel	502	No	Girls	26	8870 m ²
Fairview	937	Yes	Boys	48	16 616 m ²
Hightown	1462	Yes	Mixed	74	34 390 m ²
St Josephs	1327	Yes	Mixed	67	22 010 m ²

- (a) Which school has 1894 pupils?
 - (b) Which *mixed* school has the *smallest* number of staff?
 - (c) What type of school has the *smallest* playing fields?
 - (d) Which of the *MEP* schools has the *most* pupils?
 - (e) Does the *MEP* school with the most pupils have the largest playing fields?
 - (f) State which columns contain:
 - (i) qualitative data,
 - (ii) discrete quantitative data,
 - (iii) continuous quantitative data.
2. Prepare a data base on a topic that interests you – for example:
- Football Teams
- Tennis Players
- Pop Groups

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Extra Exercises 11.2

1. Collect data on the colours of cars parked in your street, road or a nearby car park. Illustrate the data in a bar chart.
2. Draw a pie chart to illustrate this data on sales at a fish and chip shop, recorded one lunchtime:

<i>Fish and Chips</i>	28
<i>Chicken and Chips</i>	5
<i>Pie and Chips</i>	2
<i>Sausage and Chips</i>	12
<i>Pasty and Chips</i>	5
<i>Chips only</i>	8

Extra Exercises 11.1

Answers

1.
 - (a) St Marks
 - (b) Hillside
 - (c) Girls (Turnchapel)
 - (d) Hightown
 - (e) Yes
 - (f)
 - (i) School, MEP, Type
 - (ii) Number of Pupils, Number of Staff
 - (iii) Area of Playing Fields

Extra Exercises 11.2

Answers

2.

<i>Meal</i>	<i>Angle</i>
<i>Fish and Chips</i>	168 °
<i>Chicken and Chips</i>	30 °
<i>Pie and Chips</i>	12 °
<i>Sausage and Chips</i>	72 °
<i>Pasty and Chips</i>	30 °
<i>Chips only</i>	48 °

