Pivot Tables allow spreadsheet data to be summarised into reports similar to those created in database programs such as Microsoft Access and FileMaker Pro. Within the spreadsheet data the columns become the fields of the database and the rows become the individual records.

There are three types of fields (columns) in a Pivot Table:

Category Fields	which contain data that can be grouped together, for example, Departments of a business.
Data Fields	which contain numerical data on which calculations such as sum or average can be applied.
Arbitrary Fields	which contain general data that cannot be grouped or have calculations applied to it, for example, a person's first name.

# Loading the Prepared Data

The sales data for a month for an online store that sells products over the internet has been prepared for you and summaries of the data are required.

- 1 Load Microsoft Excel or close the current file.
- 2 Click on the OPEN icon in the QUICK ACCESS TOOLBAR or from within the FILE tab or FILE menu.
- 3 Access the CHAPTER 20 folder of the EXCEL 2016 SUPPORT FILES and load the file:

Selanything Sales

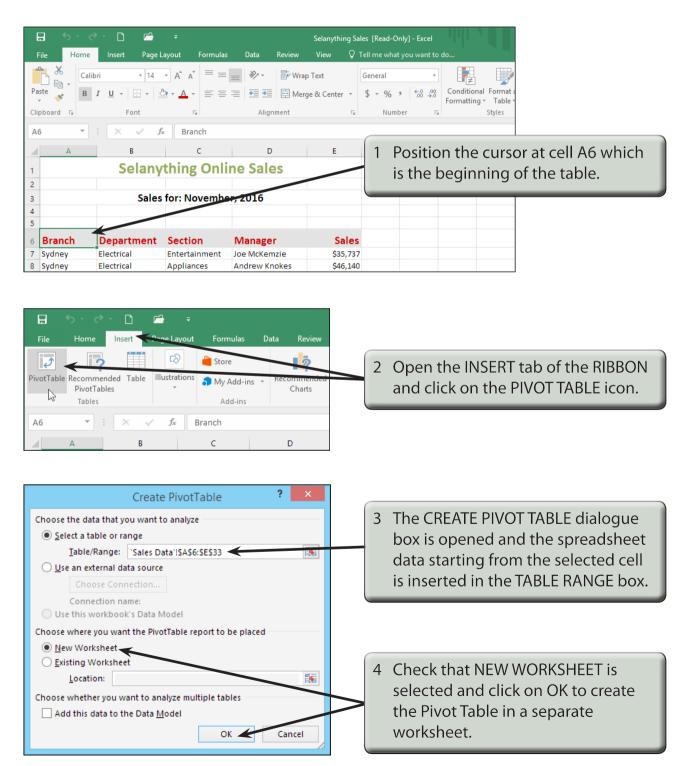
Selecting YES to the READ-ONLY dialogue box.

4 Look through the data to familiarise yourself with it. There are three Branches and, within each branch, there are 4 Departments with sections within each Department. The figures show the total sales for a month for each section.

# **Creating a Pivot Table**

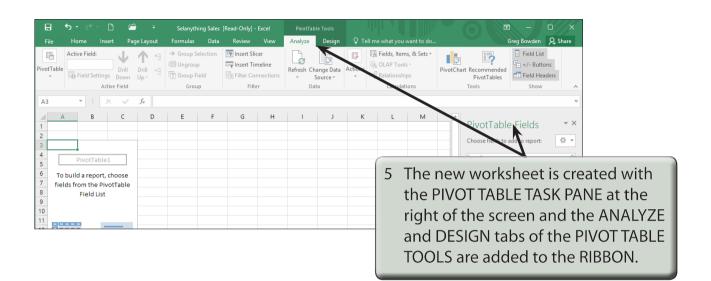
A Pivot Table will be used to summarize the sales for the month.

## A Setting Up the Pivot Table





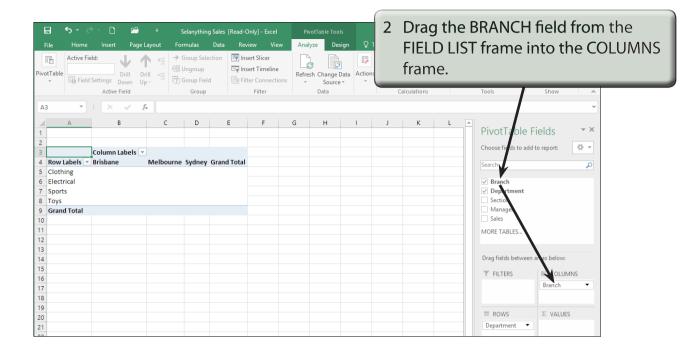
NOTE: When setting up a spreadsheet that will have Pivot Tables created from it, it is best to have no blank rows or columns. If there are blank rows or columns, the Pivot Table wizard will only select the data up to the blank row or column.

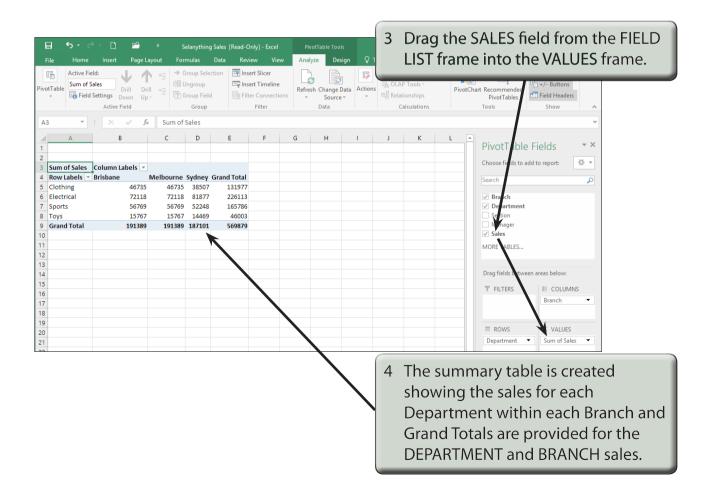


#### **B** Inserting the Rows, Columns and Data

The Pivot Table is created by placing fields in the frames at the base of the PIVOT TABLE FIELDS pane. Let's set the Departments to be down the left of the report, the Branches across the top and the Sales to be the data within the Pivot Table.

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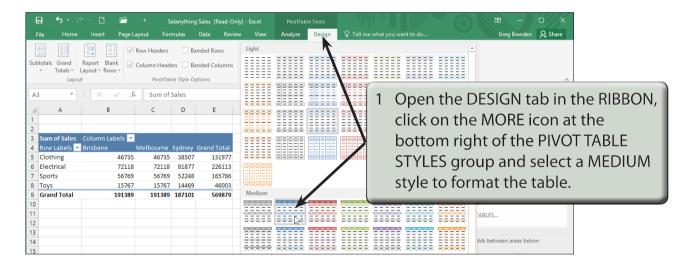


- NOTE: i From the table you can quickly see the total sales for each Branch and the total sales for each Department.
  - ii If you drag a field into the wrong frame at the base of the FIELD LIST pane, simply drag the field back to the FIELD LIST frame and drag another field into the frame.

### **Formatting Pivot Tables**

The DESIGN tab of the PIVOT TABLE TOOLS and the HOME tab can be used to format the Pivot Table.

### A Pivot Table Styles



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	vtotals Grand Totals + I Layou	Report Blank			anded Rows anded Columns prions				PivotT	
A 1 2 3 4 5 6 7	A Sum of Sales Row Labels Clothing Electrical	B B Column Labels Brisbane 46735 72118 56769	C Melbourne 46735 72118	D Sydney 38507	E Grand Total 131977 226113 165786		gro BA or	oup tu NDED shade:	rn d CO s (d	TABLE STYLE OPTIONS on BANDED ROWS and LUMNS to add lines lepending on the style the table.
8	Sports Toys	15767	15767	14469	46003					
9 10	Grand Total	191389	191389	187101	569879					