

Payroll Systems

Companies can use Microsoft Excel to keep pay details. In this activity you will create a company payroll table and pay advice slips for the individual employees. The data for the payroll system has been prepared for you, your task will be to complete the formulas.

Loading the Payroll Template

- 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. Access the CHAPTER 17 folder of the EXCEL 2016 SUPPORT FILES and load the template:

Payroll

Selecting YES to the READ-ONLY dialogue box.

- 3 There are two worksheets in the workbook. Look over the PAYROLL sheet which will show the pay details for all employees. Click on the PAY ADVICE sheet. It will display the pay details for an individual employee. The employee would receive the PAY ADVICE printout when they receive their pay.
- 4 Save the workbook in your STORAGE folder under the file name:

Evesalon Payroll

Remembering to turn off the READ-ONLY RECOMMENDED option.

Completing the Payroll Worksheet

The first sheet is the payroll sheet showing the pay details for all the employees of the company.

- 1 Ensure that the PAYROLL worksheet is on the screen.
- 2 Position the cursor at cell G12. We need to calculate the OVERTIME RATE OF PAY which is 1.5 times the NORMAL PAY RATE.

3 In cell G12 enter the formula:
= E12 * 1.5

4 Autofill the formula down for the other employees.

CODE	EMPLOYEE	OCCUPATION	NORMAL HOURS	NORMAL PAY RATE	OVERTIME HOURS	OVERTIME RATE	GROSS PAY
Mic50	Eve Michaelson	Manager	40	\$18.00	5	\$27.00	
Lom50	Brenda Lomas	Hairdresser	35	\$15.00	0	\$22.50	
Lom51	Julia Lombardi	Hairdresser	35	\$15.00	8	\$22.50	
Kno50	Brian Knowles	Hairdresser (app)	35	\$10.00	2	\$15.00	

5 The GROSS PAY is the total weekly pay earned before deductions are taken out. The NORMAL HOURS needs to be multiplied by the NORMAL PAY RATE and the OVERTIME HOURS by the OVERTIME RATE then the two results added together.

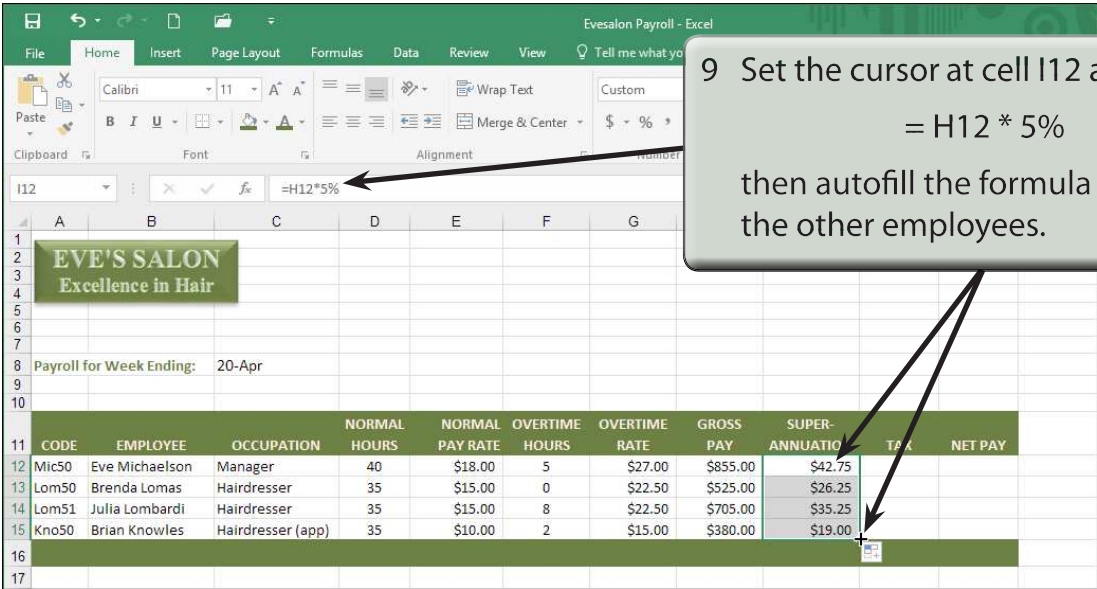
6 Move the cursor to cell H12 and enter:
= (D12*E12) + (F12*G12)

7 Autofill the formula down for the other employees.

CODE	EMPLOYEE	OCCUPATION	NORMAL HOURS	NORMAL PAY RATE	OVERTIME HOURS	OVERTIME RATE	GROSS PAY
Mic50	Eve Michaelson	Manager	40	\$18.00	5	\$27.00	\$855.00
Lom50	Brenda Lomas	Hairdresser	35	\$15.00	0	\$22.50	\$525.00
Lom51	Julia Lombardi	Hairdresser	35	\$15.00	8	\$22.50	\$705.00
Kno50	Brian Knowles	Hairdresser (app)	35	\$10.00	2	\$15.00	\$380.00

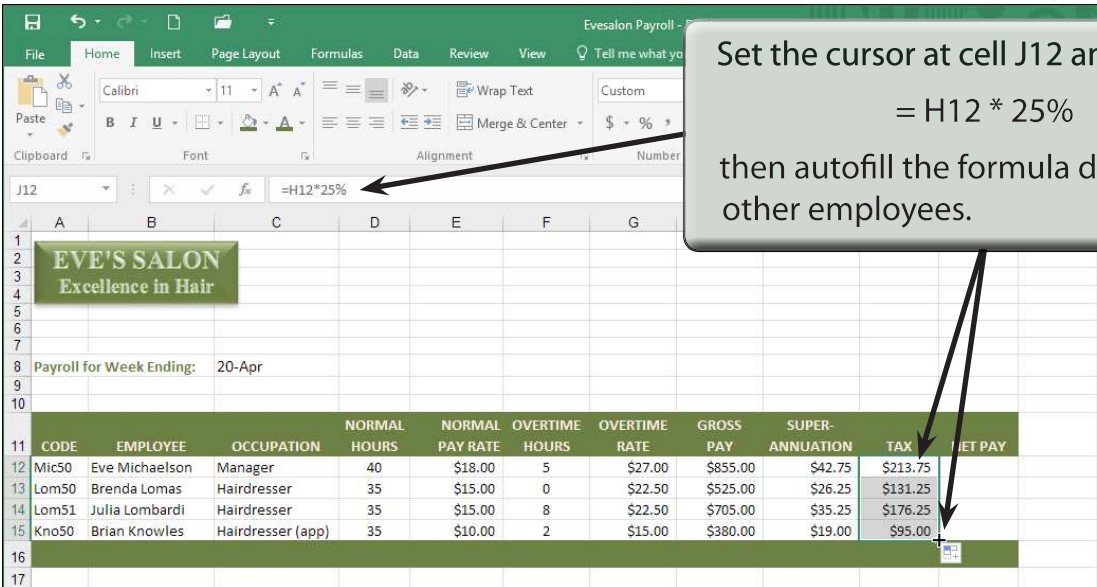
NOTE: The brackets in the GROSS PAY formula are not really necessary, but they help to separate the two calculation sections and make the formula easier to understand.

8 The SUPERANNUATION is the amount contributed by employees each week to a retirement fund. It is usually a percentage of the employee's Gross Pay. We will use a rate of 5% here.



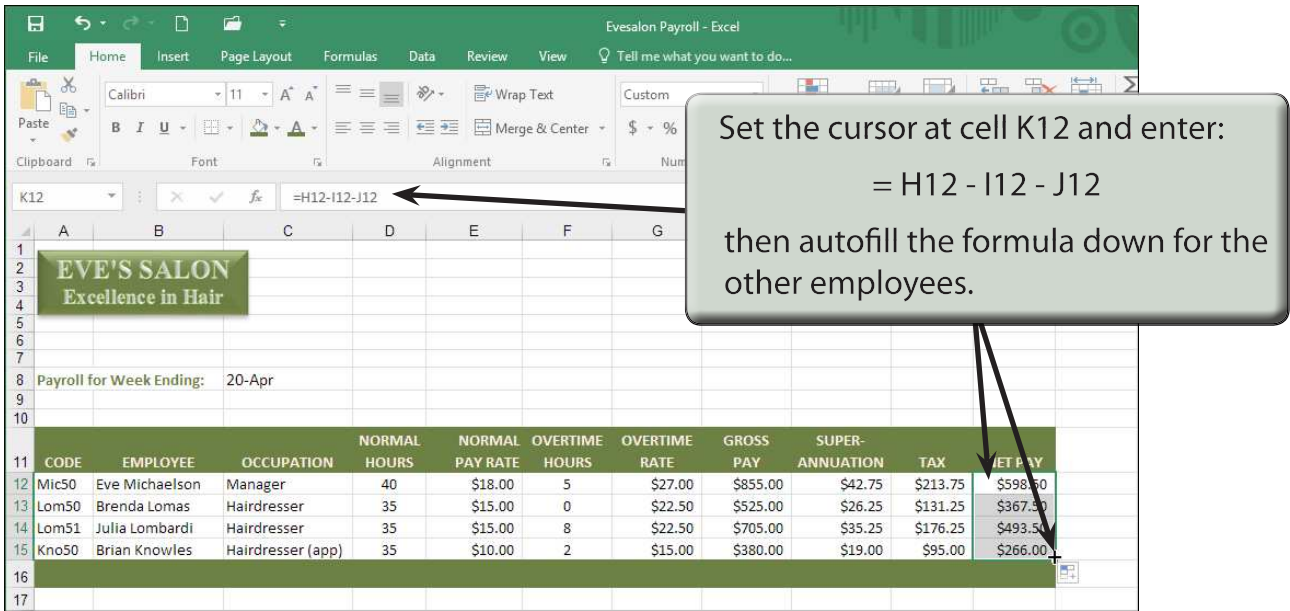
The Tax Calculation

Normally the TAX is calculated through a series of lookups which you did in an earlier chapter. This could be done at the right of the payroll and set not to print when the payroll is printed. To make things a little easier we will use a base tax rate of 25%.



Calculating the Net Pay

The NET PAY is the GROSS PAY minus the deductions (superannuation and tax).

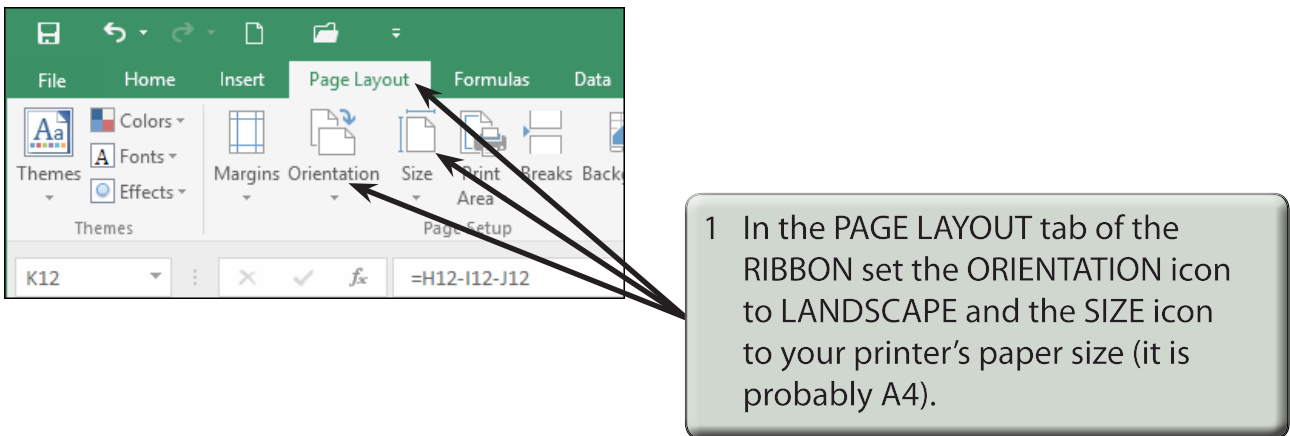


Set the cursor at cell K12 and enter:
 $= H12 - I12 - J12$
then autofill the formula down for the other employees.

			NORMAL HOURS	NORMAL PAY RATE	OVERTIME HOURS	OVERTIME RATE	GROSS PAY	SUPER-ANNUATION	TAX	NET PAY	
11	CODE	EMPLOYEE	OCCUPATION								
12	Mic50	Eve Michaelson	Manager	40	\$18.00	5	\$27.00	\$855.00	\$42.75	\$213.75	\$598.60
13	Lom50	Brenda Lomas	Hairdresser	35	\$15.00	0	\$22.50	\$525.00	\$26.25	\$131.25	\$367.50
14	Lom51	Julia Lombardi	Hairdresser	35	\$15.00	8	\$22.50	\$705.00	\$35.25	\$176.25	\$493.50
15	Kno50	Brian Knowles	Hairdresser (app)	35	\$10.00	2	\$15.00	\$380.00	\$19.00	\$95.00	\$266.00

Printing the Payroll

The print area needs to be checked so that the whole payroll fits on one page and the ORIENTATION needs to be set to LANDSCAPE.



1 In the PAGE LAYOUT tab of the RIBBON set the ORIENTATION icon to LANDSCAPE and the SIZE icon to your printer's paper size (it is probably A4).

The screenshot shows the Microsoft Excel interface with the 'Page Layout' tab selected. The 'Print Area' icon in the ribbon is highlighted with a mouse cursor. A callout box points to this icon and contains the text: "2 Highlight the whole payroll (cells A1 to K17) and set the PRINT AREA icon in the PAGE LAYOUT tab to SET PRINT AREA." The spreadsheet data is visible below the ribbon, showing a payroll table for 'EVE'S SALON'.

CODE	EMPLOYEE	OCCUPATION	NORMAL HOURS	NORMAL PAY RATE	OVERTIME HOURS	OVERTIME RATE	GROSS PAY	SUPER-ANNUATION	TAX	NET PAY
Mic50	Eve Michaelson	Manager	40	\$18.00	5	\$27.00	\$855.00	\$42.75	\$213.75	\$598.50
Lom50	Brenda Lomas	Hairdresser	35	\$15.00	0	\$22.50	\$525.00	\$26.25	\$131.25	\$367.50
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Kno50	Brian Knowles	Hairdresser (app)	35	\$10.00	2	\$15.00	\$380.00	\$19.00	\$95.00	\$266.00

- 3 Print a copy of the payroll if your teacher wants you to.

The Pay Advice Worksheet

Each pay day the employees are given pay advice sheets with their pay. We can use Microsoft Excel to create a pay advice sheet that can import values from the PAYROLL worksheet and print this pay advice sheet for each employee. The employee CODE is used to link the two sheets together. The CODE consists of the first three letters of the employee's surname and the number 50. If two or more employee's have the same first three letters in their surname, the first alphabetical name receives the number 50, the second 51, the third 52, etc.

A Naming the Payroll Cells

It is advantageous to name the PAYROLL table cells so that entering the formulas in the PAY ADVICE sheet is easier.

- 1 The PAYROLL sheet should be on the screen.