✓ **Congratulations! You passed!**
TO PASS 80% or higher

[Keep Learning]

GRADE
96.66%

Course 1 Final Assessment

LATEST SUBMISSION GRADE

96.66%

1. *Download the workbook and save it on your computer. Open the workbook and then come back here to start answering the questions.*

1 / 1 point

C1 Assessment Workbook.xlsx

TIP: Make sure that you save your progress on the workbook in Excel frequently as you progress through the exam.

Here is the first question:

The workbook contains data downloaded from a government database. It is not very easy to read, so your first job is to address some of the formatting.

The heading in cell **A1** cannot be seen properly. Change the alignment so that you can see what it says.

In which year was this data collected?

Enter your answer in four digits ####

2015

✓ **Correct**
Yes, that's correct. The title of this spreadsheet is the **2015 Household Expenditure Report**, so the data was collected in 2015.

2. Somehow the date in cell **B2** has lost its formatting. Change the format to a date. What date is now shown in **B2**?

1 / 1 point

Enter your answer in Year-Month-Day format (e.g., 2016-12-31).
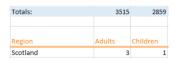
2016-03-20

✓ **Correct**
Yes, the date in **B2** is 2016-03-20.

3. Apply the style **Accent1** to the range **A2:Z2**. Apply the style **Heading 3** to the range **A4:Z4**. Which of the following looks most like your data?

1 / 1 point

○ This:

◉ This:

○ This:

○ This:

Totals:		5515	2859
Region		**Adults**	**Children**
Scotland		3	1

✓ **Correct**

Yes, well done. You have correctly applied the right format and identified the right answer.

---

4. There are also some corrections you need to make to the data. One of the data entries is missing. You have been asked to **2 / 2 points** Insert a row after Case ID 49 (row 15) and enter the following data:

Case ID	51
Economic Position	Full-time working
Occupation Type	Managerial or Professional
Home	Owned
Gender	Male
Region	Wales
Adults	2
Children	2
Jan Income	5924.00
Feb Income	5924.00
Mar Income	5924.00
Apr Income	5924.00
May Income	5924.00
Jun Income	5924.00
Jan Expenditure	2803.57
Feb Expenditure	2242.86
Mar Expenditure	2512.00
Apr Expenditure	2361.28
May Expenditure	2219.60
Jun Expenditure	2596.93

What is the total April Expenditure now? (cell **R2**)

In your answer, you should use the number format #####.## with a period as a decimal point and two decimals.

4534401.10

✓ **Correct**

Yes, your answer is correct. The April Expenditure is now 4534401.10

---

5. An incorrect value has been entered for Case ID 5299. Use the Find tool to find this Case ID and change the January **1 / 1 point** Income to $200. What is the total January Income now? (cell **I2**)

In your answer, you should use the number format #####.##

6074344.46

✓ **Correct**

Yes, this is the correct answer. The total January Income is now 6074344.46

---

6. There are several calculations missing which need to be added. An additional column showing the total number of people **1 / 1 point** per household is required. Perform all the following steps and then answer the question.

1. Insert a column after column **H**
2. In **I4** type the heading **Household**
3. In **I5** enter a calculation to add the number of adults in **G5** to the number of children in **H5**
4. Copy the formula down to fill the column
5. In cell **I2**, enter a calculation to get the total number of people in all the households represented, or copy the formula across from cell **H2**

QUESTION: What is the total Household value in cell **I2**?

Enter your answer in numerical digits: ######

6378

✓ Correct

Yes, well done. The total Household value is 6378.

7. In cell **V5** enter a calculation to get an average of income from January to June (**J5** to **O5**). Copy the formula down the column. What is the Average Income for Case 20 (cell **V10**)?

1 / 1 point

In your answer, you should use the number format #####.##

4019.36

✓ **Correct**

Yes, that is correct. The average income for Case 20 is 4019.36

8. In cell **W5** enter a calculation to add up the total income from January to June. Copy the formula down the column. Widen the column so that you can see the results. What is the total income for Case 9 (cell **W6**)?

1 / 1 point

In your answer, you should use the number format #####.##

19943.28

✓ **Correct**

Yes, that is correct. The total income for Case 9 is 19943.28

9. In cell **X5** enter a calculation to add up the total expenditure from January to June (**P5** to **U5**). Copy the formula down the column. What is the total expenditure for Case 9?

1 / 1 point

In your answer, you should use the number format **#####.##**

10709.83

✓ **Correct**

Well done, that is the correct answer. The total expenditure for Case 9 is 10709.83

10. In cell **Y5** enter a calculation to subtract Total Expenditure from Total Income. Copy the formula down the column. What is the Net for Case 15?

1 / 1 point

In your answer, you should use the number format **#####.##**

10862.77

✓ **Correct**

Yes this is the correct answer. The Net for Case 15 is 10862.77

11. Cost of living has been estimated at going up by 3.93% over the next 6 months. We would like to forecast what the expenditure will be over that period. In cell **Z2** enter the value 3.93%. In **Z5** enter a formula to calculate the forecast expenditure. To do this you will need to calculate the increase in expenditure (current total expenditure multiplied by the percentage increase) and add it to the current total expenditure. Copy the formula down the column. (Make sure that all the calculations are using the value in **Z2**!).

2 / 2 points

QUESTION: What is the Forecast Expenditure for Case 15?

In your answer, you should use the number format #####.##

13256.09

✓ **Correct**

Yes, that is the correct response. The forecast expenditure for Case 15 is 13256.09

12. Now select the Stats Worksheet. Enter simple formulas in **B3** and **B4** to pull through the calculated **Total Expenditure** and **Total Net** from the Data worksheet (cells **X2** and **Y2**). If you have done it correctly the pie chart should now show how income is proportioned between expenditure and net.

2 / 2 points

QUESTION: According to the pie chart, what percentage of Income is made up by Net?

Do not enter the % symbol in the answer box below, just the number.

25

✓ **Correct**

13. Still on the Stats sheet, enter a formula in **B5** to add up the total income for Quarter 1 using the calculated totals for January, February and March in the Data worksheet. If you have done it correctly the cell should change colour.

   QUESTION: What colour is the cell **B5**?

   ○ Grey

   ○ Black

   ○ Yellow

   ● Purple

   ○ White

   ✓ Correct

14. The organisation has decided to have one Region for the Midlands instead of two, so both **East Midlands** and **West Midlands** need to be replaced with just **Midlands**. We then need to answer some questions for the organisation.

   In the **Data** worksheet, use **Find and Replace** to replace all instances of East Midlands with Midlands. Repeat the operation, this time replacing West Midlands with Midlands. Now filter the data so that only cases from the Midlands are visible.

   QUESTION: What is the total number of Adults recorded for the Midlands?

   629

   ✓ Correct

15. Clear the previous filter. Add filters so that we only see cases for Wales with 6 or more people in the household.

   QUESTION: How many households in Wales have 6 or more people?

   1

   ✓ Correct
   Yes, that's right. There is only one household with 6 or more inhabitants.

16. Clear all filters. Sort the data by Total Income in descending order (largest to smallest).

   QUESTION: Which Case ID has the highest Total Income?

   566

   ✓ Correct
   Yes, Case 566 has the highest Total Income.

17. Change the sort to order the data so that you can easily identify the lowest Average Income for Cases with an Intermediate occupation.

   QUESTION: What is the lowest Average Income for people with an Intermediate occupation?

   In your answer, you should use the number format #####.##

   18.35

   ✓ Correct
   Yes, this is the correct response. The lowest Average Income for people with an Intermediate occupation is 18.35

18. You are concerned there may be duplicates in the data set. Add conditional formatting to the **Case ID** column to show all duplicates in red. Sort the data by **Case ID** but instead of by values, sort by colour.

   QUESTION: How many cases have been duplicated (entered twice)?

   ● 2

   ○ 3

   ○ 5

   ○ 6

19. Delete one of each of the duplicate rows.

1 / 1 point

QUESTION: What is the new total in **H2**?

2857

✓ Correct

20. To help represent the data graphically you have been asked to create a few charts. You will need to go back to the Stats worksheet.

2 / 2 points

Select the data from **A8** to **B12**. Insert a Pie Chart to compare the Average Incomes for different Economic Positions. Add a quick layout that shows a percentage for each segment.

QUESTION: What is the percentage for Part-time working?

Do not enter the % symbol in the answer box below, just the number.

9

✓ Correct

21. Create a line chart showing the Total Income for each Month. Ensure you select month names and Total Income values.

2 / 2 points

QUESTION: Which of these charts looks most like your line chart?

○ This:

○ This:

◉ This:

✓ Correct

22. Insert a Stacked Column Chart to show the Jan, Feb and Mar income for each Region.

0 / 1 point

QUESTION: Which Region has the fourth highest income for Jan-Mar (fourth largest stack)?

Lodon

! Incorrect