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Logical and lookup functions: Test your skills

Latest Submission Grade 100%

1. To do this assessment you should download this Excel workbook, follow the instructions, and answer the questions. 1 / 1 point

C1W5 Assessment

XLSX File

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On the **Attendees** sheet is a table showing people who will be attending our next event. We wish to include a welcome pack for people who are relatively new. In **K7** create a calculation to check if the **Start Date** is on or after the date shown in **U14**. If it is put the text **New** in the column, otherwise leave it blank (do not put space or FALSE). Because it is a table your calculation automatically copies down. What is the number of new people as shown in **W14**?

☐ 361

☐ 362

☒ 45

☐ 354

✔ Correct

Yes, that is correct.

2. IF functions allow for a maximum of three arguments. 1 / 1 point
- ☒ TRUE

☐ FALSE

✔ Correct

Yes, that is correct.

3. We wish to give a gift to loyal members. In **L7** create a calculation to put the value **Gift** in the cell if the attendee joined before 2016 or has attended 6 or more events, otherwise leave it blank. What is the total number of gifts required as shown in **U24**? 1 / 1 point
- ☒ 202

☐ 185

☐ 221

☐ 184

✔ Correct

Yes, that is correct. Well done.

4. The organisers have decided that they cannot afford so many gifts, change the formula so that it only returns **Gift** if the attendee joined before 2016 **and** they have attended a minimum of 6 events. What is the updated number of gifts required as shown in **U24**? 1 / 1 point
- ☒ 41

☐ 38

☐ 128

☐ 92

✔ Correct

Yes, that is correct. Well done.

5. Prices for the event are shown in **V7:V8**, people attending for just one day pay \$350, but people attending more than one day pay \$300 per day (i.e. someone attending 3 days pays \$900). Column **N** tells us how many days they will be attending. Create a calculation in **O7** that will check how many days they are attending and calculate the correct cost accordingly. What is the total cost for all attendees as shown in **U25**? 1 / 1 point
- ☐ \$113,950

☐ \$224,700

☒ \$230,050

☐ \$262,150

✔ Correct

Yes, that is correct.

6. Discounts are awarded to loyal members. People who have attended 10 or more events get a 20% discount off the full price, people who have attended between 5 and 9 events (inclusive) get a \$50 discount off the full price. If an attendee does not qualify for a discount, they pay full price. In Column **P** calculate the price after discount, e.g. for someone attending for 1 day who has attended 6 events, the **After Discount** price will be \$300. What is the total **After Discount** price as shown in **U26**? 1 / 1 point
- ☐ \$204,760

☐ \$16,440

☒ \$212,260

☐ \$217,910

✔ Correct

Yes, that is correct.

7. Attendees are awarded a status based on how many events they have attended as shown in **T19:U22**. Attendees who have attended 1-9 events get **Bronze**, 10-19 **Silver**, 20-29 **Gold** and 30+ get **Platinum**. In column **M** use a calculation to determine each attendee's status. What is the total number of **Silver** attendees as shown in **V20**? 1 / 1 point
- ☐ 64

☐ 87

☐ 19

☒ 72

✔ Correct

Yes, that is correct.

8. When using an approximate (or Range) **VLOOKUP** the last argument is optional but when using an exact match **VLOOKUP** the last argument must be set to **FALSE** or **0**. 1 / 1 point
- ☒ TRUE

☐ FALSE

✔ Correct

Feedback: Yes, that is correct.

9. Column **F** contains the organisation code for each attendee. Use this information to lookup the **Organisation name** from the list provided in the **Lookup Lists** sheet. (We suggest using defined names or tables to make this easier.) How many attendees are from **Colot** (shown in **V15**)? 1 / 1 point
- ☐ 1

☐ 0

☒ 5

☐ 30

✔ Correct

Yes, that is correct.

10. The country code for each attendee is shown in Column **H**. Use this information to lookup the **Country name** from the list provided in the **Lookup Lists** sheet. (We suggest using defined names or tables to make this easier.) How many attendees are from the **United States** or **United Kingdom** (shown in **V16**)? 1 / 1 point
- ☐ 9

☒ 111

☐ 52

☐ 0

✔ Correct

Yes, that is correct. Well done!

11. In question 10 you had to look up the **Country Name**. This could be done using an **XLOOKUP** or a combination of **VLOOKUP** and **MATCH**. 1 / 1 point
- ☐ TRUE

☒ FALSE

✔ Correct

Yes, that is correct. we could use **XLOOKUP** but not **VLOOKUP**.

12. There are 7 seating areas labelled A to G. Seats are allocated according to country of origin and type of meal as shown in the lookup matrix in the **Lookup Lists** sheet. E.g. a vegan from Armenia will be allocated to seating area A. Create a calculation in Column **R** to look up the correct seating area for each attendee. How many people are allocated to **area F** (as shown in **U34**)? 1 / 1 point
- ☐ 31

☒ 62

☐ 2

☐ 78

✔ Correct

Yes, that is correct.