

VLOOKUP Different Worksheet Answer Key PDF

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Part 1: Building a Foundation

What does VLOOKUP stand for?

undefined. Vertical Lookup ✓

undefined. Variable Lookup

undefined. Vector Lookup

undefined. Value Lookup

VLOOKUP stands for Vertical Lookup.

Which of the following are components of the VLOOKUP function syntax?

undefined. lookup_value ✓

undefined. table_array ✓

undefined. row_index_num ✓

undefined. col_index_num ✓

The components include lookup_value, table_array, row_index_num, and col_index_num.

Explain the purpose of the `range_lookup` argument in the VLOOKUP function.

The `range_lookup` argument determines whether VLOOKUP searches for an exact match or an approximate match.

List the four main arguments of the VLOOKUP function.

1. First argument

lookup_value

2. Second argument

table_array

3. Third argument

col_index_num

4. Fourth argument

range_lookup

The four main arguments are lookup_value, table_array, col_index_num, and range_lookup.

What happens if the `range_lookup` argument is set to FALSE?

undefined. VLOOKUP searches for an approximate match.

undefined. VLOOKUP searches for an exact match. ✓

undefined. VLOOKUP returns an error.

undefined. VLOOKUP ignores the lookup_value.

If set to FALSE, VLOOKUP searches for an exact match.

Part 2: Application and Analysis

If you want to use VLOOKUP to find a product price from a list on a different worksheet named "Prices", which of the following is the correct syntax?

undefined. =VLOOKUP(A2, Prices! B2:D10, 3, FALSE)

undefined. =VLOOKUP(A2, 'Prices!' B2:D10, 3, FALSE) ✓

undefined. =VLOOKUP(A2, Prices! B2:D10, 3, TRUE)

undefined. =VLOOKUP(A2, 'Prices!' B2:D10, 3, TRUE)

The correct syntax is =VLOOKUP(A2, 'Prices!' B2:D10, 3, FALSE).

When using VLOOKUP across worksheets, which practices ensure accuracy?

undefined. Correctly naming the worksheet in the formula ✓

undefined. Ensuring the lookup_value is in the first column of the table_array ✓

undefined. Using absolute references for the table_array ✓

undefined. Setting range_lookup to TRUE for exact matches

Practices include correctly naming the worksheet, ensuring the lookup_value is in the first column, and using absolute references.

Create a VLOOKUP formula to find a student's grade from a "Grades" worksheet, assuming the student's ID is in cell A2.

A possible formula could be =VLOOKUP(A2, 'Grades'!A2:B100, 2, FALSE).

Which of the following scenarios would cause a VLOOKUP to return a #N/A error?

undefined. The lookup_value is not in the first column of the table_array. ✓

undefined. The col_index_num is less than 1.

undefined. The table_array is empty.

undefined. The lookup_value is found in the table_array.

A #N/A error occurs if the lookup_value is not found in the first column of the table_array.

Analyze the limitations of VLOOKUP and identify which statements are true.

undefined. VLOOKUP can only search for values in the first column. ✓

undefined. VLOOKUP can search to the left of the lookup_value.

undefined. VLOOKUP requires sorted data for approximate matches. ✓

undefined. VLOOKUP can handle multiple lookup_values simultaneously.

True statements include that VLOOKUP can only search in the first column and requires sorted data for approximate matches.

Part 3: Evaluation and Creation

Which alternative function to VLOOKUP allows for more flexible data retrieval and can search in any direction?

undefined. HLOOKUP

undefined. XLOOKUP ✓

undefined. INDEX

undefined. MATCH

XLOOKUP is the alternative function that allows for more flexible data retrieval.

Evaluate the scenarios where using VLOOKUP might not be ideal.

undefined. When data is unsorted and an approximate match is needed ✓

undefined. When the lookup_value is in the last column ✓

undefined. When needing to search for values to the left ✓

undefined. When dealing with large datasets requiring fast processing

Using VLOOKUP might not be ideal when data is unsorted, when the lookup_value is in the last column, or when needing to search for values to the left.

Design a real-world scenario where using VLOOKUP across worksheets would be beneficial. Explain how you would set up the data and the formula.

An example could be using VLOOKUP to match employee IDs with their details stored in a separate worksheet.