# REVISION – MANAGING DATA

## YEAR 7 – COMPUTING

**Choose the correct answer(s):**

1. What is the purpose of linking Google Forms responses to a Google Sheet?

**A** To automatically send survey results via email.

**B** Categorical To view, organise, and analyse collected data.

**C** To rearrange the form questions dynamically.

**D** To automatically generate charts and graphs.

2. What is the primary purpose of conditional formatting in a dataset?

**A** To rearrange the order of rows.

**B** To highlight data based on specific conditions.

**C** To change the column titles.

**D** To apply mathematical formulas automatically.

3. Which of the following can be highlighted using conditional formatting?

**A** Cells with values greater than a specified number.

**B** Cells with dates.

**C** Cells containing specific text.

**D** All of the above.

4. What does an absolute reference (for example, $B$2) do in Excel formulas?

**A** Locks the cell reference so it does not change when copied.

**B** Applies a default value to all cells in the column.

**C** Converts text to numbers.

**D** Automatically creates a graph from data.

LIVEWORKSHEETS

5. Which industries commonly use data for modelling?

**A** Health

**B** Retail

**C** Manufacturing

**D** All of the above

6. How is sensor data used in manufacturing models?

**A** To track customer behaviour.

**B** To predict equipment failures and schedule maintenance.

**C** To train new employees.

**D** To replicate product designs.

## Fill in the blanks:

spreadsheet IF absolute references descriptions model

database simulation

1. The _____ function in Excel helps make decisions based on specific conditions.
2. Linking a Google Form to a _____ ensures responses are organised.
3. _____ is a tool used to test real-world ideas in a virtual environment.
4. _____ are used in Excel formulas to keep certain cell references constant.
5. A _____ is a simplified representation of a real-world system.
6. A _____ is an organised collection of information stored in tables.

LIVEWORKSHEETS

## State true or false:

1. An open-text field is the most effective option for structured data collection.
2. Conditional formatting in Excel can visually highlight scores meeting a specific threshold.
3. The ROUND function in Excel is used to remove decimals in calculations.
4. Models can help predict customer demand in the retail sector.
5. Scatter charts help visualise trends in data over time.

## Answer the following questions:

1. Write an Excel formula using the ROUND function to round the number 45.678 to 2 decimal places

2. Write an Excel formula using the IF function to check if a number in cell **A1** is greater than **50**. If true, return '**Pass'**; otherwise, return '**Fail'**.

3. What will be the result of the formula:
   **=IF(10>5, "Yes", "No")**

4. Write an IF formula to check if a student's score in cell **B2** is **90 or above**, return '**A'**; otherwise, return '**B'**.

5. Write an **IF** formula using **AND** to determine if a student passes: marks in cell **B2** must be *greater than or equal* to **50 AND** attendance in **C2** must be *greater than or equal to 75*. Return '**Pass'** or '**Fail'**.

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