

REVISION WORKSHEET 1 -GRADE 7**UNIT:4 COMPUTER SYSTEMS- Topic 4.5, UNIT:2 MANAGING DATA– Topic 2.2,2.3****Instructions: Answer all questions. Write clearly and in complete sentences where required.****NAME:** _____ **SECTION:** _____**Question 1: Circle the correct option:****i. Which of the following is an example of automation in retail?**

- a. Self-driving cars b. Online food delivery c. Self-checkout machines d. Traffic lights

ii. What does AI use to recognize images?

- a. Barcodes b. Sensors c. Training data and patterns d. Manual scanning

iii. What type of data are Labels in a spreadsheet?

- a. Text describing data b. Calculations c. Primary keys
d. Images only

iv. Which of the following is a label in a spreadsheet?

- a. 25 b. =SUM(A1:A5) c. "Marks" d. A1:A10

v. SUMIFS() is used when you want to:

- a. Add all values in a single column b. Round numbers to fewer decimals
c. Add values that meet multiple condition d. Turn text into numbers

vi. What is the purpose of a spreadsheet model?

- a. To design computer games b. To organize, calculate and analyze data
c. To write documents d. To create presentations

vii. Which of the following is not a type of information in a basic spreadsheet model?

- a. Data b. Labels c. Calculations d. Graphics

Question 2: Answer the questions given below:**i. What is AI? How does AI improve computer games?**

ii. What is a spreadsheet model?

iii. Give one example of data, one label and one calculation in a spreadsheet.

iv. Write the formula to calculate the average of cells from B1 to B10.

v. Why are data bars useful in a spreadsheet?

vi. What is the difference between SUM() and SUMIFS()?

Question 3: Fill in the blanks using appropriate terms/words given below.

Unique	Home	Record	Conditional	Label
SUM()	Criteria	Data Bars	Data	$(\text{Value} / \text{Total}) \times 100$

1. Conditional formatting is found in the _____ tab in Excel.
2. _____ visually show value size using horizontal bars inside cells.
3. The _____ function calculates the total of a range of cells.
4. _____ are numbers or values entered into the spreadsheet that calculations are performed on.
5. A _____ is a text used to describe data in a spreadsheet.
6. _____ formatting highlights cells when they meet specific criteria.
7. A _____ consists of information about one person or item in a table.
8. A primary key must always be _____ and _____.

Question 4: Match the column A with suitable terms in Column B.

Column A	Column B
a. Automated checkout system	1. Detects diseases from scans
b. Robot arm in factories to player actions	2. Opponent non-player characters respond
c. AI in medical imaging	3. Replaces teachers in classrooms
d. Barcode scanner	4. Identifies products quickly
e. AI in computer games	5. Performs repetitive production tasks
f. Online shopping recommendations	6. Shows items you may want to buy

Question 5: Analyze the given datasheet below and answer the short questions given at the end.

Sports Store Inventory Table

ItemID	Item Name	Price (\$)	Stock
S101	Football	25	40
S102	Tennis Racket	45	15
S103	Basketball	30	25
S104	Cricket Bat	70	10
S105	Sports Shoes	60	35

- I. Identify the cheapest item in the sports store.

- II. How many different items are listed in this datasheet?

- III. Which field contains text data other than ItemID?

- IV. Write one reason why the ItemID field is important in this datasheet.

- V. The store manager wants to restock any item with less than 20 stock. List the items that need urgent restocking.

- VI. The store wants to offer a discount on the item with the highest price. Name the item and its current price.

- VII.

Explain how conditional formatting could help the manager visually identify expensive products.
- VIII.

If a new sports item is added to the store, state two fields of information that must be included in the new record and why they are needed.
- IX.

Write a rule for conditional formatting that would highlight any sports item with a stock less than 20 in red.
- X.

Explain why the ItemID field should be used as the primary key in this sports store database.

Question 6: State one difference between each of the following terms given in the table.

Worksheet	Workbook
Field	Record
Primary Key	Composite Key
Formula	Function
Conditional Formatting	Data Validation