

## SPREAD SHEET

1. George decided to purchase some household items for his new house. The details of the items are given below. Selling price includes 4% tax on each item. Using spreadsheet, find out the tax and selling price of each item. (Tax=price\*4/100, Selling Price= Price +tax)

Sl.No	Item	Price	Tax	Selling Price
1	Washing Machine	6000		
2	Mixer/ Grinder	4500		
3	Water purifier	5000		
4	Electric Iron	1200		
5	Electric Oven	6500		

### Scoring Indicators

1. For typing text - 1 Score
  2. For finding tax - 1.5 Score
  3. For finding selling prize - 1.5 Score
- 2 Score obtained by 5 students in a group for different subjects are given. Insert a column to the left and add serial numbers using fill series option. Find the total marks scored by each student and sort their names in alphabetic order. Insert a Bar Chart with the names on X axis and their total marks on Y axis.

Name	Malayalam	Maths	Science	S.S	Total
Babu	25	39	25	42	
Raji	47	36	28	35	
Rema	42	28	33	38	
Anil	29	39	25	36	
Sunil	40	25	41	34	

### Scoring Indicators

1. For typing text - 1 Score
2. For finding sum -  $\frac{1}{2}$  Score
3. For sorting - 1 Score
4. For inserting chart - 1 Score
5. For setting serial number -  $\frac{1}{2}$  Score

3. The data collected as part of a project by the students for finding the health status of people between the age 50 to 60 in Uduma Panchayath is given below. Prepare the table in spread sheet and find out the total number of people in each category. Insert a column on the left side and give the serial number. Find the percentage of each type. Also prepare a pie diagram showing the percentage of people under each category. (Percentage= (No.of People/Total No.) x 100)

Disease	No.of People	Percentage
Diabetes	225	
Hypertension	123	
Cardiac Problems	15	
Skin Disease	25	
Asthma	12	
Total		

### Scoring Indicators

1. For typing text - 1 Score
2. For finding sum -  $\frac{1}{2}$  Score
3. For finding percentage - 1 Score
4. For inserting chart - 1 Score
5. For setting serial number -  $\frac{1}{2}$  Score

4. Ionization energy of a few elements is given below. Prepare a table in spreadsheet. Sort the data to get the name of element with the largest Ionization energy first. Fill the cell with name of element having the largest Ionization energy with red colour.

Sl.No.	Element	Ionization Energy
1	S	1010
2	Al	584
3	Cl	1260
4	Na	502
5	Si	792

### Scoring Indicators

- For typing text - 1.5 Score
  - For sorting - 1.5 Score
  - For changing color - 1 Score
5. Marks Scored by five students in Science Subjects are given below. Prepare a table in Spreadsheet and find out the total score in Science and the percentage of marks for each student. Insert a row at the top, merge cells (A1 to A6) and arrange the heading SCORE SHEET at center.

Name	Physics (50)	Chemistry (50)	Biology (50)	Total score	Percentage (%)
Rajeev	40	35	27		
Heera	32	36	39		
Anu	18	29	14		
Ietha	40	45	49		
Rina	35	20	25		

### Scoring Indicators

- For typing text - 1 Score
- For inserting row and merge - 1Score
- For finding the sum - 1 Score
- For finding percentage - 1 Score

6. Students as part of the activities of School Health Club collected the height and weight of their friends. Using the data, find the average height and weight of each student in this group. Insert a chart with the name of students on X axis and Weight in Y axis.

$$\text{Average Height} = \frac{\text{Total Height}}{\text{Total No. of Students}} \quad \text{Average Weight} = \frac{\text{Total Weight}}{\text{Total No. of Students}}$$

Sl.No.	Name	Height in cm	weight in Kg
1	Girish	128	45
2	Nasar	130	48
3	Babu	140	50
4	Sonu	125	41
5	Binish	12	38
Total			
Average			

### Scoring Indicators

1. For typing text - 1 Score
  2. For finding total - 1 Score
  3. For finding average - 1 Score
  4. For inserting chart - 1 Score
7. As part of developing saving habit in students they started Saving Account in a bank. The details of the amount deposited by them in January and February are given in the table below. Using Spreadsheet find out the total savings of each student and the total amount deposited in each month. Sort the table in such a way that the name of the student with highest saving goes first

Account No.	Name	Amount in January	Amount in February	Total
387	Nisha	50	100	
425	Ashitha	70	100	
117	Sunil	150	60	
238	Ambika	100	100	
251	Suseel	50	80	
Total				

**Scoring Indicators**

- 1. For typing text - 1 Score
- 2. For finding total - 1 Score
- 3. For finding grand total - 1 Score
- 4. For sorting - 1 Score

8. Score obtained by five students in Rahim's group in IT Exam is given. Find out the percentage of score obtained by each student using the formula. Include the serial numbers using Fill series option and Sort the data in alphabetic order of their names (Percentage = Total x 100/40)

Sl.No	Name	Theor y (Score)	Practic al (Score)	CE (Score)	Total (Maximum Score-40)	Percentag e
	Reena	8	20	8		
	Manoj	7	18	7		
	Babith a	6	15	8		
	Reghu	8	17	6		
	Lalu	4	14	7		

**Scoring Indicators**

- 1. For typing text - 1 Score
- 2. For including serial number by using fill series - 1/2 Score
- 3. For finding total - 1/2 Score
- 4. For finding percentage - 1 Score
- 5. For sorting - 1 Score

9. The data recorded by Raju, while doing an experiment for finding the Focal length of a convex lens is given. Find the focal length in each trial, using the formula  $f = uv/(u+v)$ .

Trial No.	U	V	UV	U+V	$f=uv/(u+v)$
1	5	5			

2	15	3			
3	3	15			

**Scoring Indicators**

1. For typing text in the table - 1 Score
  2. For finding uv - 1 Score
  3. For finding u+v - 1 Score
  4. For finding f - 1 Score
- 10 Raji conducted an experiment to find out the resistance of a conductor. The data reading taken by Raji is given. Prepare a table in Spreadsheet and find the resistance in each trial using the formula  $R = V/I$ . Insert a column left to the readings and include the trial no. using Fill Series option.

V (Volts)	I ( Amp.)	R=V/I
10	5	
6	3	
12	6	
4	2	

**Scoring Indicators**

1. For typing text - 1 Score
  2. For finding R - 1 Score
  3. For inserting column - 1 Score
  4. For including serial number - 1 Score
- 11 The data collected by the members of Raju's Group as part of an activity to find out the area of the rectangular shapes is given. Find the Area of each rectangle using the equation. Insert a row at the top, merge cells and arrange the heading AREA at the centre(Area=Length\*Breadth)

Rectangle	Length(CM)	Breadth(CM)	Area
1	50	20	
2	40	15	
3	25	20	
4	35	10	
5	28	15	

### Scoring Indicators

1. For typing text - 1 Score
2. For finding area using formula - 1 Score
3. For inserting row and cell merging - 1 Score
4. For arranging heading in centre - 1 Score

- 12 As a part of an activity the members of Lalu's group visited the nearby houses. They collected the details of electricity consumption from each house. The data thus collected is given. Prepare a table using Spreadsheet and find out the electricity charges to be paid by each house at the rate of Rs.2/- per unit. Sort the data in such a way as to get the house which consumed the largest amount of electricity goes first. Insert a Pie Diagram/Chart showing the electricity consumption of each house (Charge= Unit X 2).

Sl.No	Name of House Owner	Electricity Used ( Units)	Charge
1	Rajan	195	
2	Thomas	210	
3	Leela	120	
4	Rahim	230	
5	Balu	170	

### Scoring Indicators

1. For typing text - 1 Score
2. For finding charge - 1 Score
3. For sorting - 1 Score
4. For inserting chart - 1 Score