MID-TERM ASSIGNMENT

MATHEMATICS JSS1

Make an album containing solid shapes and planes. The following information must be included in the album

1. A picture of the shape
2. The name of the shape
3. The area,
4. Perimeter
5. volume ( for solid shape)

On the last page draw and complete the table

|  |  |  |  |
| --- | --- | --- | --- |
| Solid shape | Number of Face | Number of Edge | Number of Vertex |
| Cuboid |  |  |  |
| Cube |  |  |  |
| Triangular prism |  |  |  |

Also state if it is a plane shape or a solid shape. Minimum of 6 shapes each ( for plane and solid shape i.e total of 12 shapes). Cardboard paper should be used. Include a title page containing the following information: Name, Class, Name of subject teacher, academic year

MATHEMATICS JSS2

The table below shows the sizes of shoes of 30 students in a particular class

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 6 | 7 | 5 | 4 | 6 | 5 | 7 | 4 | 5 |
| 6 | 5 | 7 | 6 | 8 | 5 | 4 | 6 | 6 | 4 |
| 5 | 5 | 6 | 7 | 8 | 8 | 6 | 7 | 6 | 8 |

Using the information given above prepare a

1. Frequency table
2. Pictogram
3. Pie chart
4. Bar chart

You are advice to use MS Office, should be done on A4 paper and spiral bind your project. Include a title page containing the following information: Name, Class, Name of subject teacher, academic year

PHYSICS SS1

1. Make a model of any basic crystal unit cell (i) Group 1 - Simple cubic structure (ii) Group 2 - Body centered cubic structure (iii) Group - Face centered cubic structure ( based on the group you picked)
2. Briefly explain the following (a) The rise and fall in a narrow tube (b) Explain why water skater can walk on the surface of water (c) A ball, when dropped from a boat into a will eventually achieve term velocity. Sketch a graph to show how the velocity of the ball changes with times

PHYSICS SS2

1. Make a simple model of a periscope.

You can visit any of the link below on how to go about it

1. <http://m.wikihow.com/make-a-periscope> or
2. http://leisure.onehowto.com/article/how-to-make-a-periscope-out-of-cardboard-1969.html
3. Discuss briefly the following : Fiber optic technology, Microscope, Telescope, Simple camera and Slide Projetor