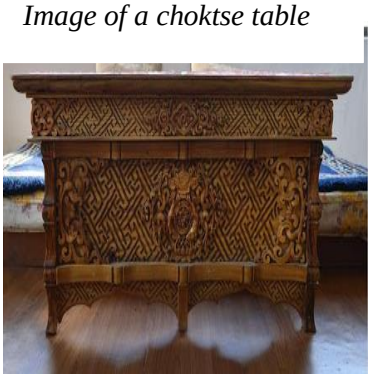
DWARKA INTERNATIONAL SCHOOL
HOLIDAY HOME WORK CALSS X
Subject: Mathematics

(A) PROJECT (To be done on A4 size sheets)

Image of a choktse table



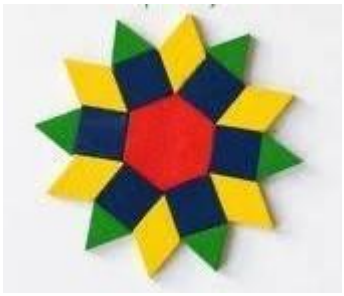
CHOKTSE tables are traditional foldable tables which have become an important part of Sikkim handicrafts. They are popular not only inside India but also worldwide. They are found in various designs and wonderful patterns. They are made from the wood of the tree known as Kath. The designs are firstly drawn on the wood and later drilling machine is used to carve out the designs. These are very beautiful and available in different sizes.

A design on a choktse table

TASK 1

Draw a design for choktse table on A4 size sheet using few geometrical shapes **(minimum 3)** example-circles, oval, polygons etc. and colour it. Colour a particular shape with one colour to highlight the same, example all circles with red colour, all rectangles with blue colour etc.

TASK 2



The adjoining image of a flower is taken from a choktse table. Count the total number of triangles, squares, hexagon, rhombus and circles in it and hence, find the probability that the shape chosen at random is a

(i) triangle
(ii) square
(iii) hexagon
(iv) rhombus
(v) circle

Have you got any of the above probabilities as '0'? What are such events called?

TASK 3

The adjoining table shows the information regarding the total number of government handicraft units for different products in Sikkim. Construct a pie chart for the same by calculating different central angles and rounding off each to the nearest whole number. **Search and draw design of the product in the sector represented by it.**

Table 1: Total number of government handicraft products in Sikkim

Sl.no	Name of product	Total number of government handicraft units
1	Carpet	12
2	Wood carving	7
3	Thanka painting	4
4	Bamboo and cane crafts	6
5	Multicrafts	6
	Total	**35**

Source: DHH, Government of Sikkim.

TASK 4

The weekly wages (in Rs.) of 30 workers in a factory in Sikkim are given:
830, 835, 890, 810, 835, 836, 869, 845, 898, 890, 820, 860, 832, 833, 855, 845, 804, 808, 812, 840, 885, 835, 835, 836, 878, 840, 868, 890, 806, 840

(i) Make a frequency distribution table with intervals as 800-810, 810-820 and so on.

(ii) Construct a histogram for the above data. **Search and draw different designs of handlooms in different bars of the histogram.**

(iii) Answer the following questions:

(a) Which group has the maximum number of workers?

(b) How many workers earn Rs.850 and more?

(c) How many workers earn less than Rs.850?

Handloom design

e