ARYABHATTA MATHEMATICAL GARDEN

GOVT MODEL HIGH SCHOOL SECTOR 25, CHANDIGARH

ARYABHATTA

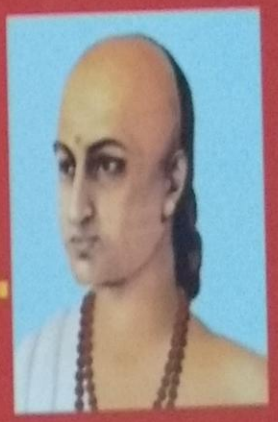
MATHS

PARK

ARYABHATTA (आर्यभट्ट)

476 BC-550 CE

Aryabhatta was the first of the major mathematician from the classical age of Indian Matematics. He was born 476 CE in the Gupta era in Kusumpura of Patliputra (present day Patna). His works include place value system and zero, approximation of π (pi) correct to 4 decimal places, diameter of earth, area of triangle etc.



GMHS 25 WELCOMES YOU TO MATHEMATICAL GARDEN

MAIN GATE

3 D CORDINATE SYSTEM

TYPES OF ANGLES

CIRCULAR GEOBOARD

CLINOMETER


CLINOMETER
It is an instrument that is used to measure angle of elevation or angle of depression from the level of ground in a right angled triangle. It is used in the measurement of height of inaccessible objects.
Trigonometry Ratio Table
0 30 45 60 90
sin 0 1/2 1/√2 √3/2 1
cos 1 √3/2 1/√2 1/2 0
tan 0 1/√3 1 √3
cot √3 1 1/√3 0
csc 2 √2 2/√3 1
sec 1 2/√3 √2 2

GEOBOARD


GEO BOARD
A geo board is mathematical manipulative used to explore basic concepts in plane geometry such as perimeter, area and the characteristics of triangles and other polygons. It consist of physical board with a certain number of nails half driven in, around which are wrapped geo bands that are made of rubber.

MATHS ROBOT-A MODEL TO ENHANCE RECOGNITION OF VARIOUS 3D SHAPES

RELATIONSHIP BETWEEN VOLUMES OF CONE AND CYLINDER

ANGLE SUM PROPERTY OF TRIANGLES

VERIFICATION OF PYTHAGORAS THEOREM

CONVERSION OF 2D TO 3D SHAPES

COMBINATION OF CONE AND HEMISPHERE

SPHERE, ITS AREA AND VOLUME

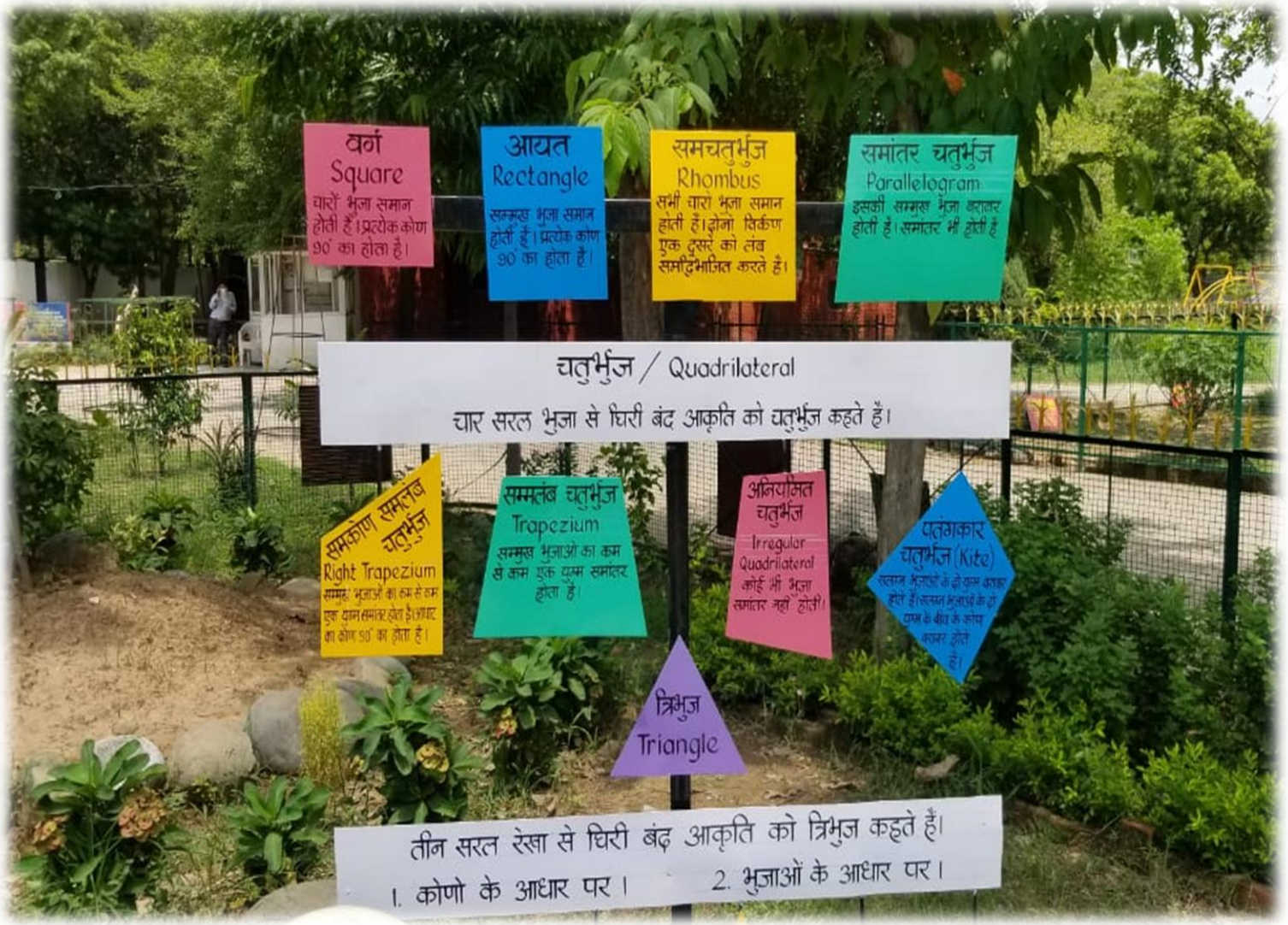
TRIANGULAR PYRAMID, ITS AREA AND VOLUME

COMBINATION OF CONE AND CYLINDER

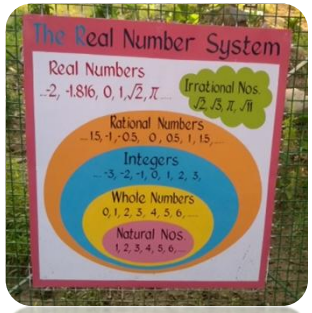
CUBE, ITS AREA AND VOLUME

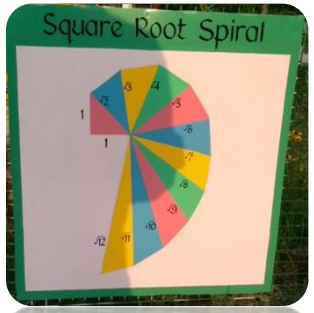
CYLINDER, ITS AREA AND VOLUME

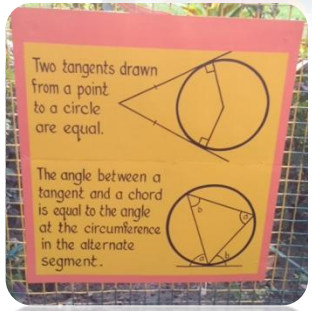
FAMILY OF QUADRILATERALS AND TRIANGLES

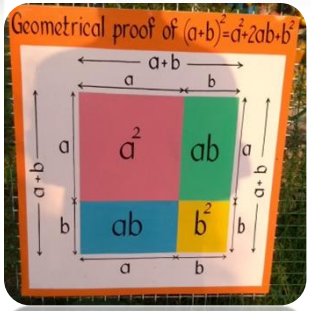


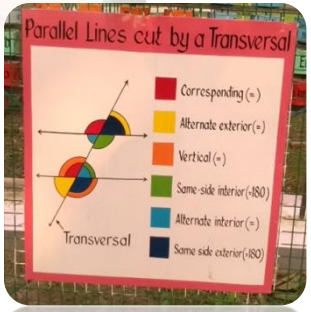
MATHS EVERYWHERE

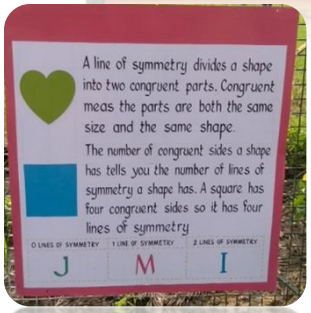


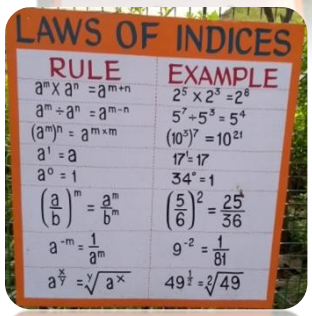




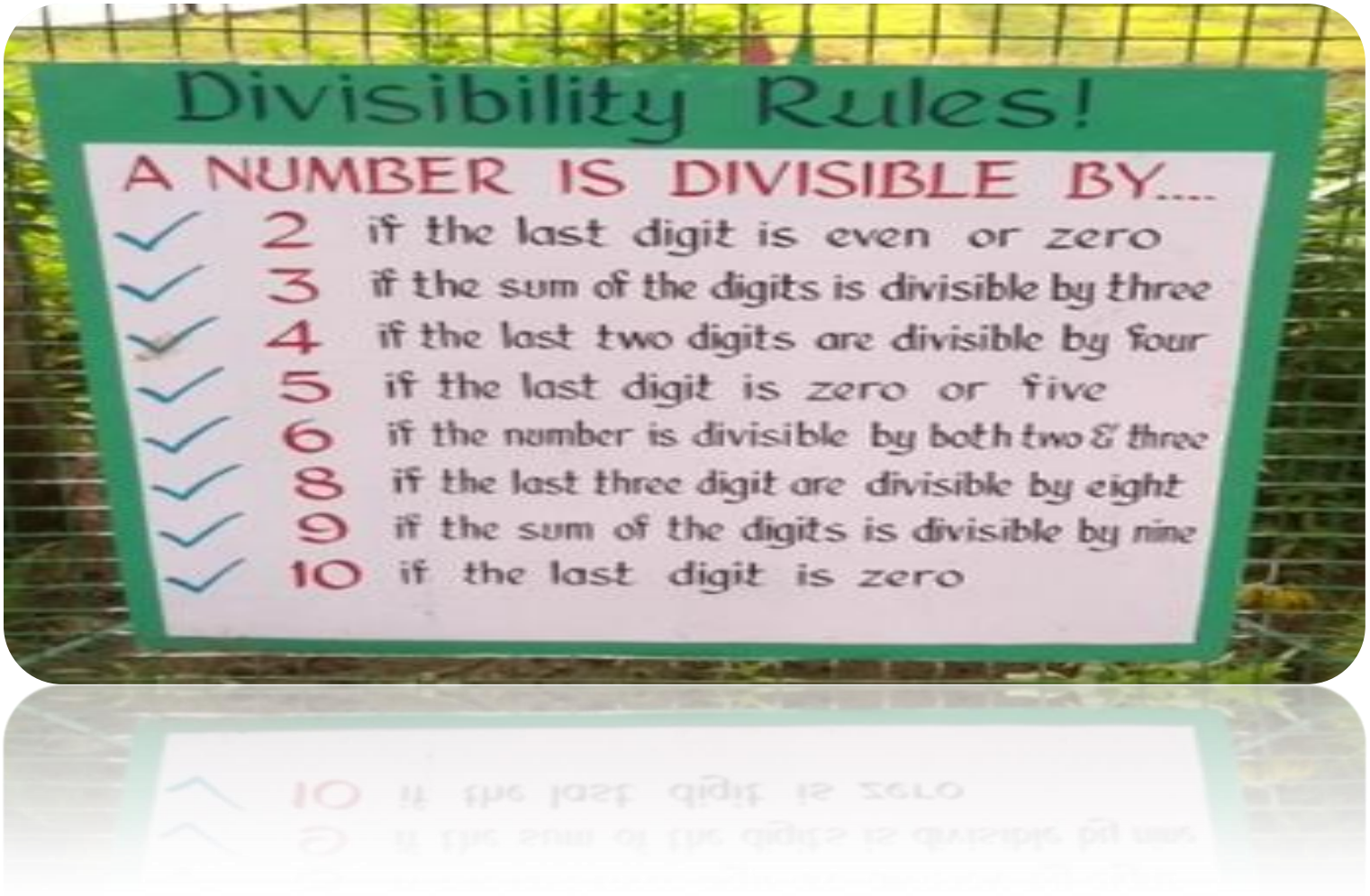




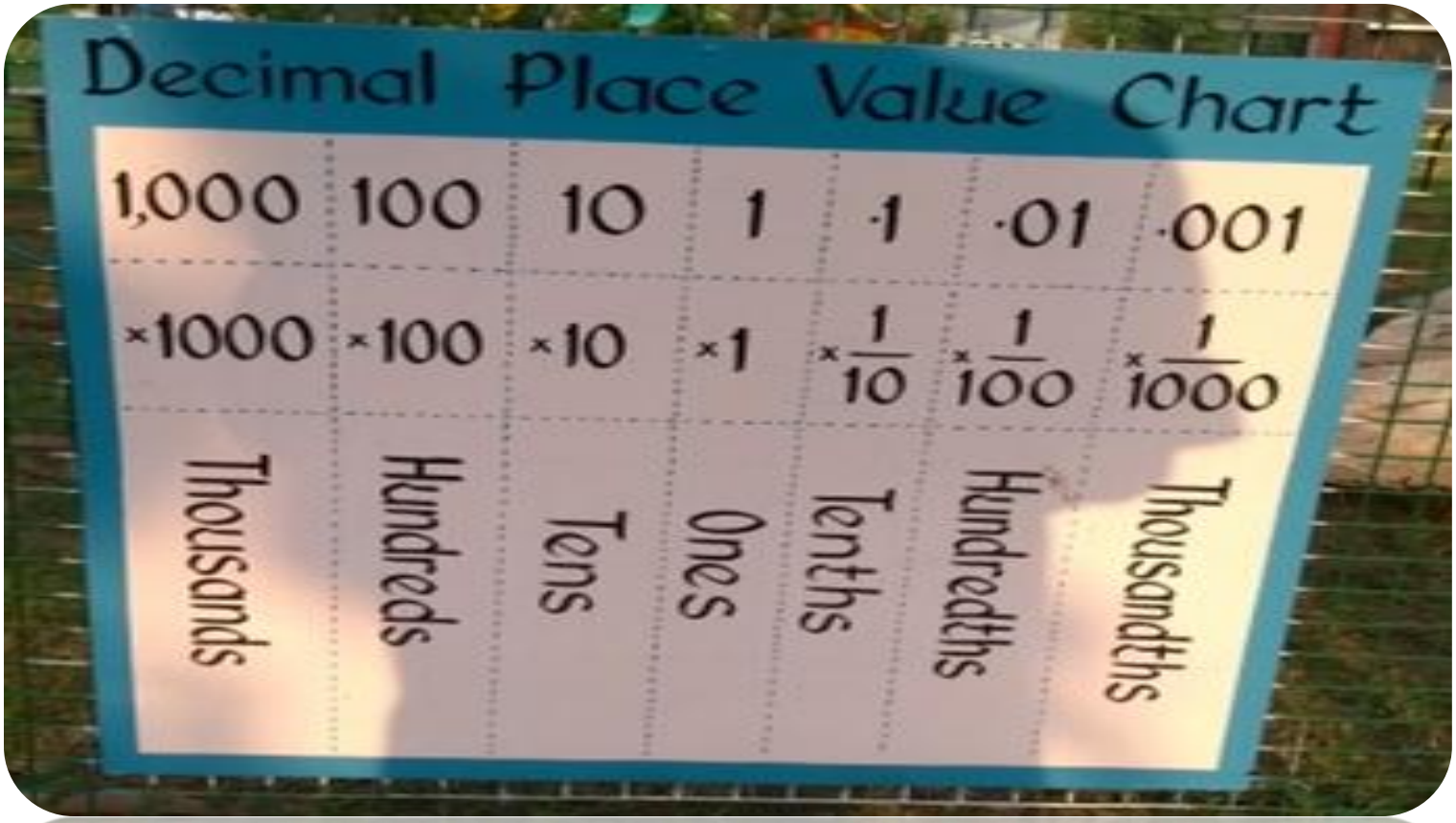




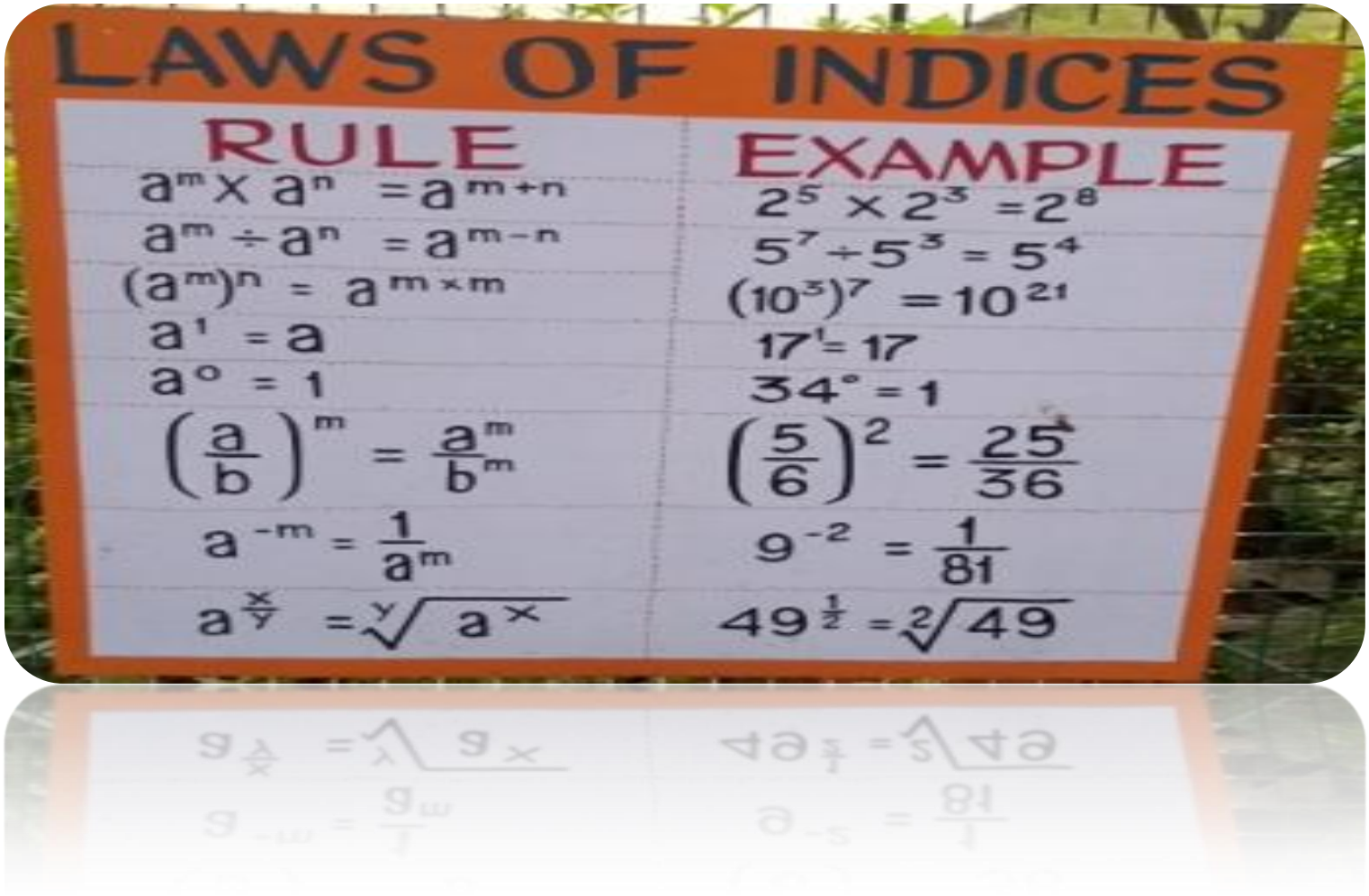
DIVISIBLITY RULES



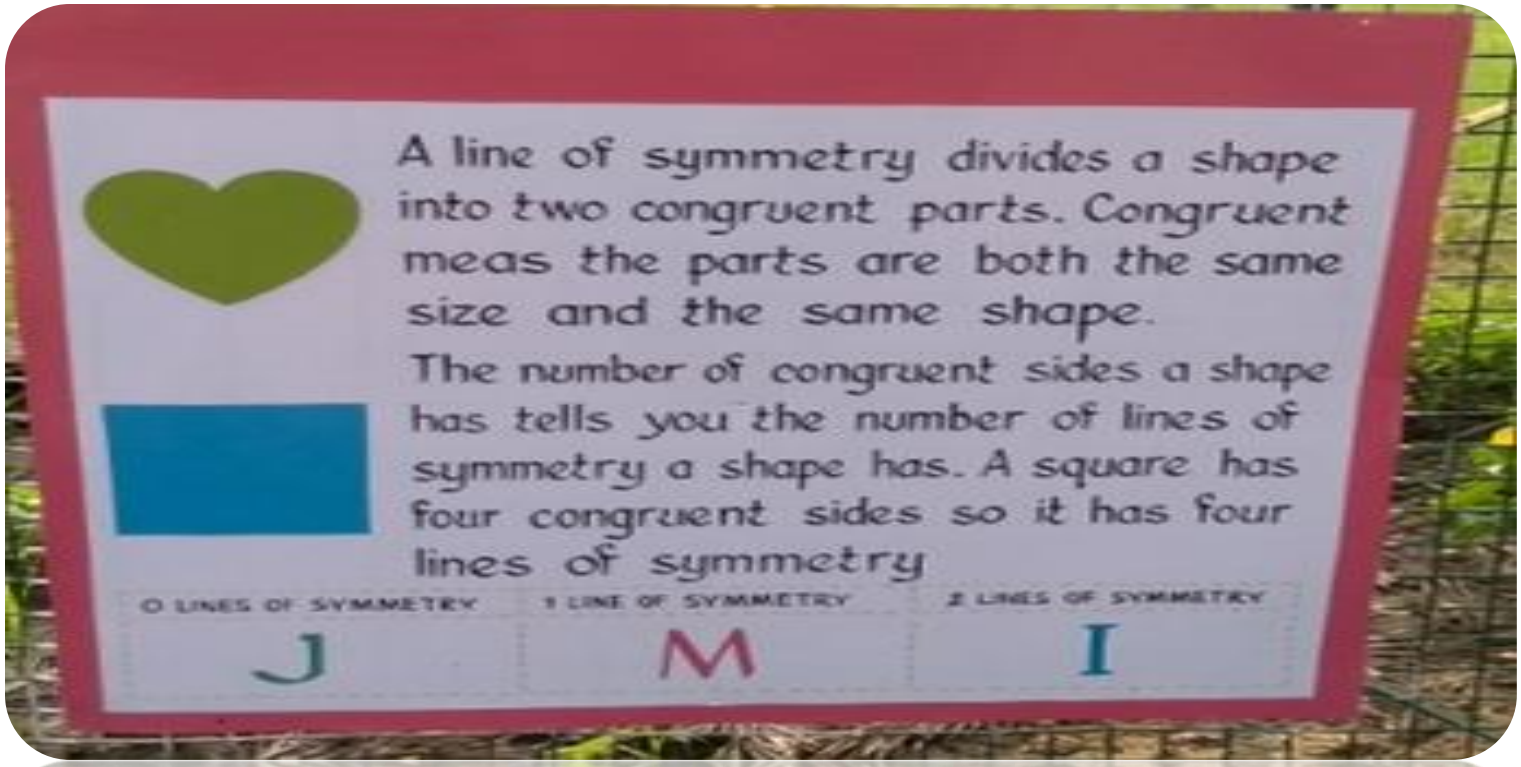
Decimal Place Value Chart



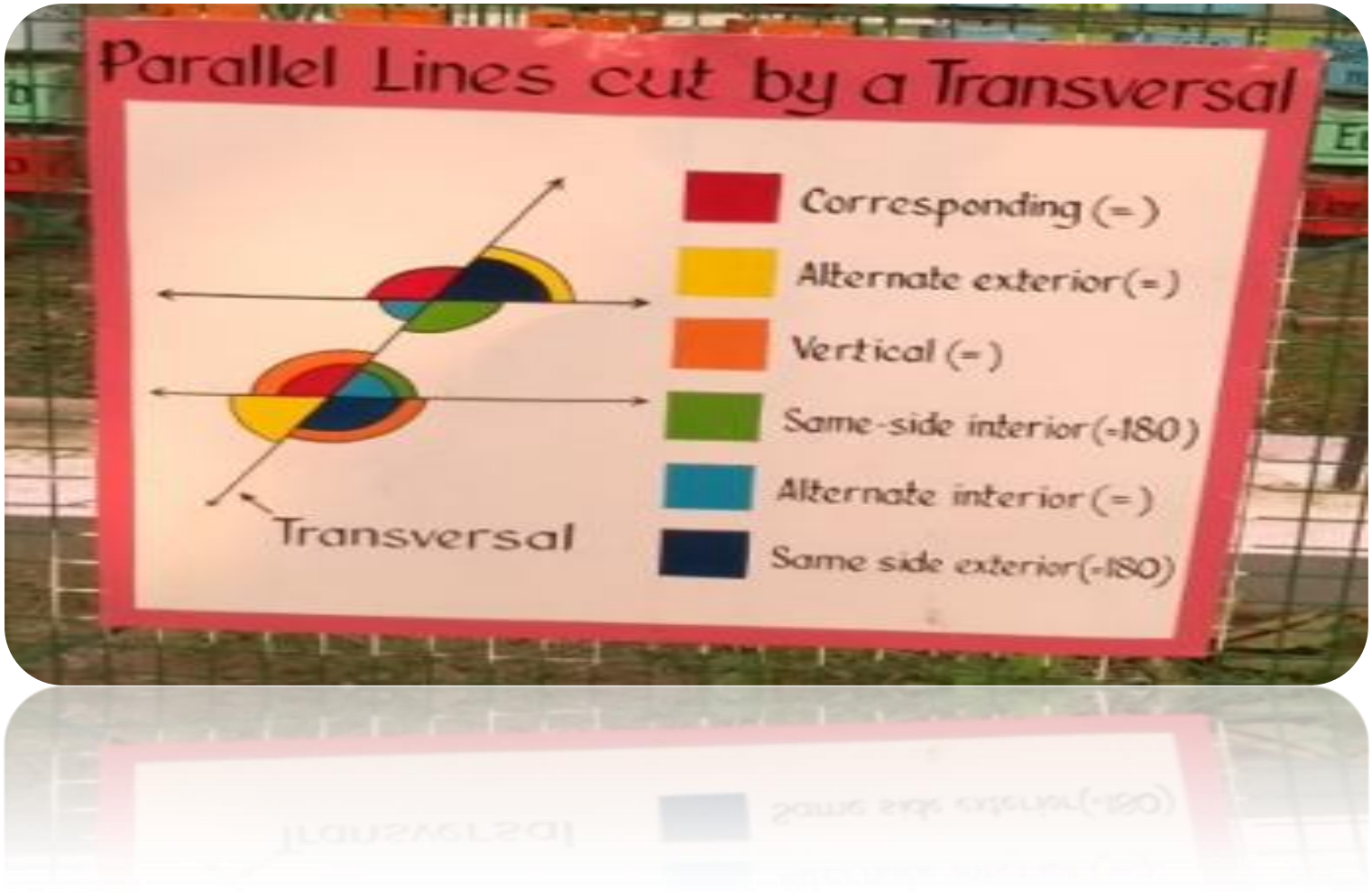
LAWS OF INDICES



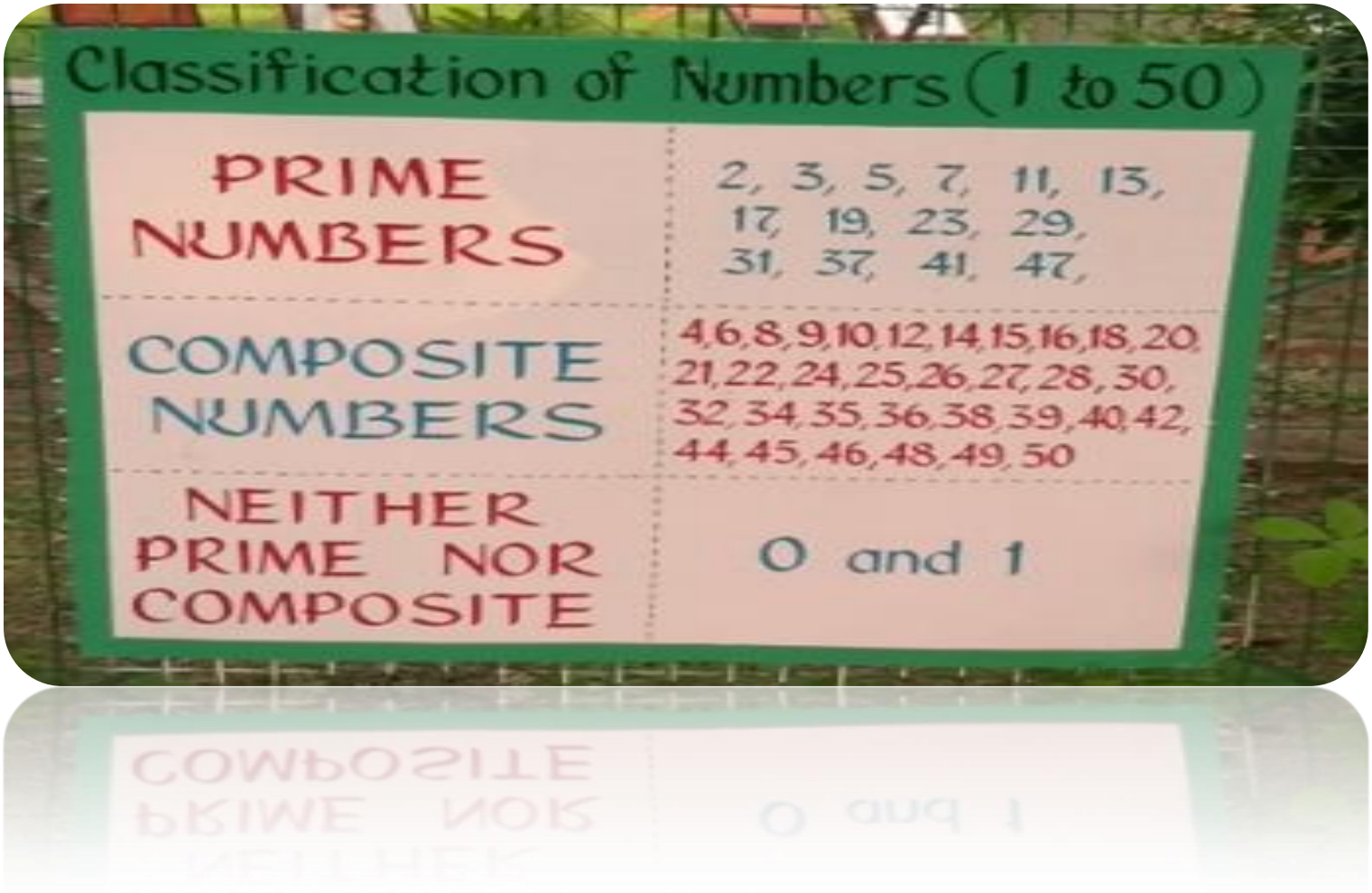
LINE OF SYMMETRY



Parallel Lines cut by a Transversal

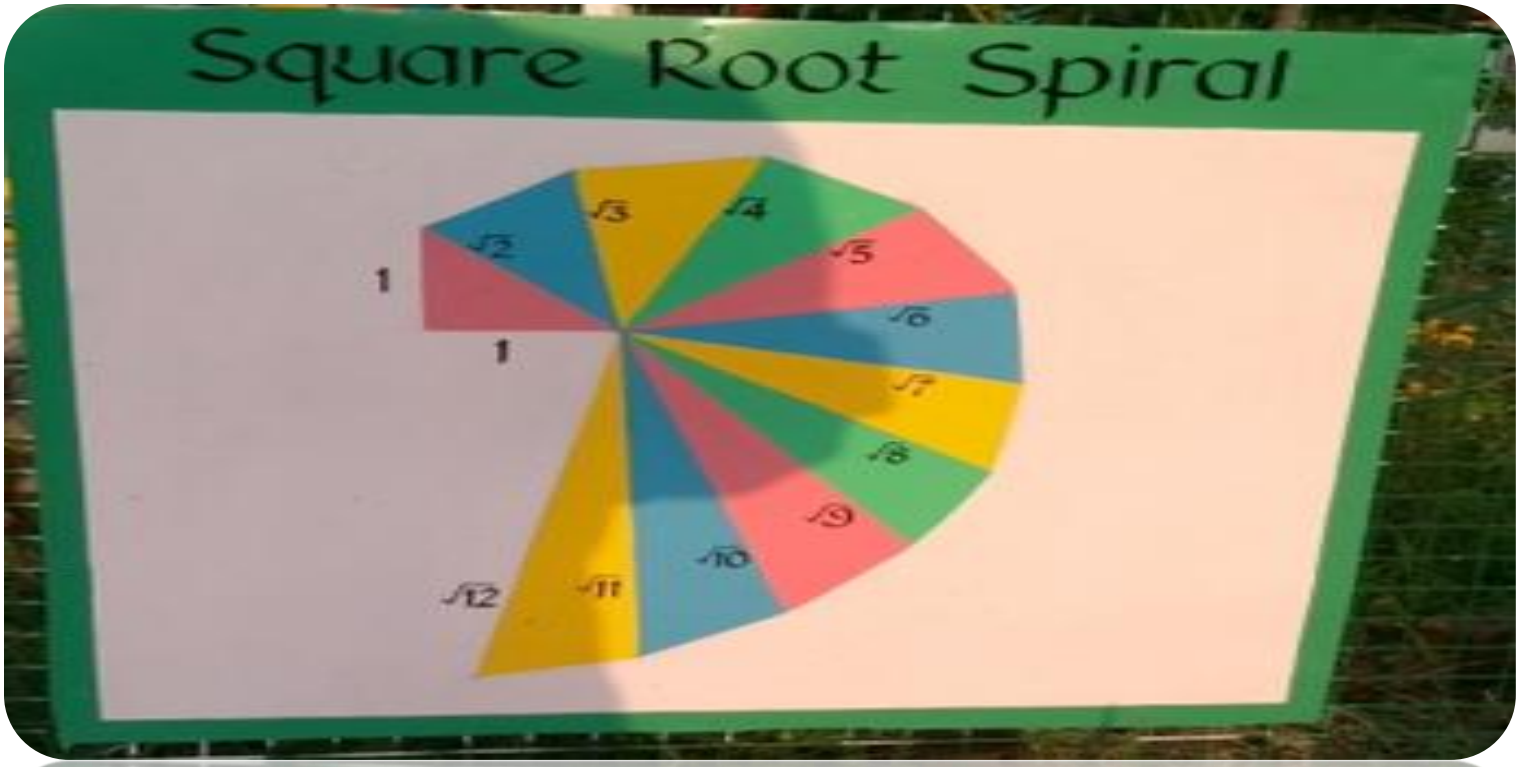


CLASSIFICATION OF NUMBERS (1-50)

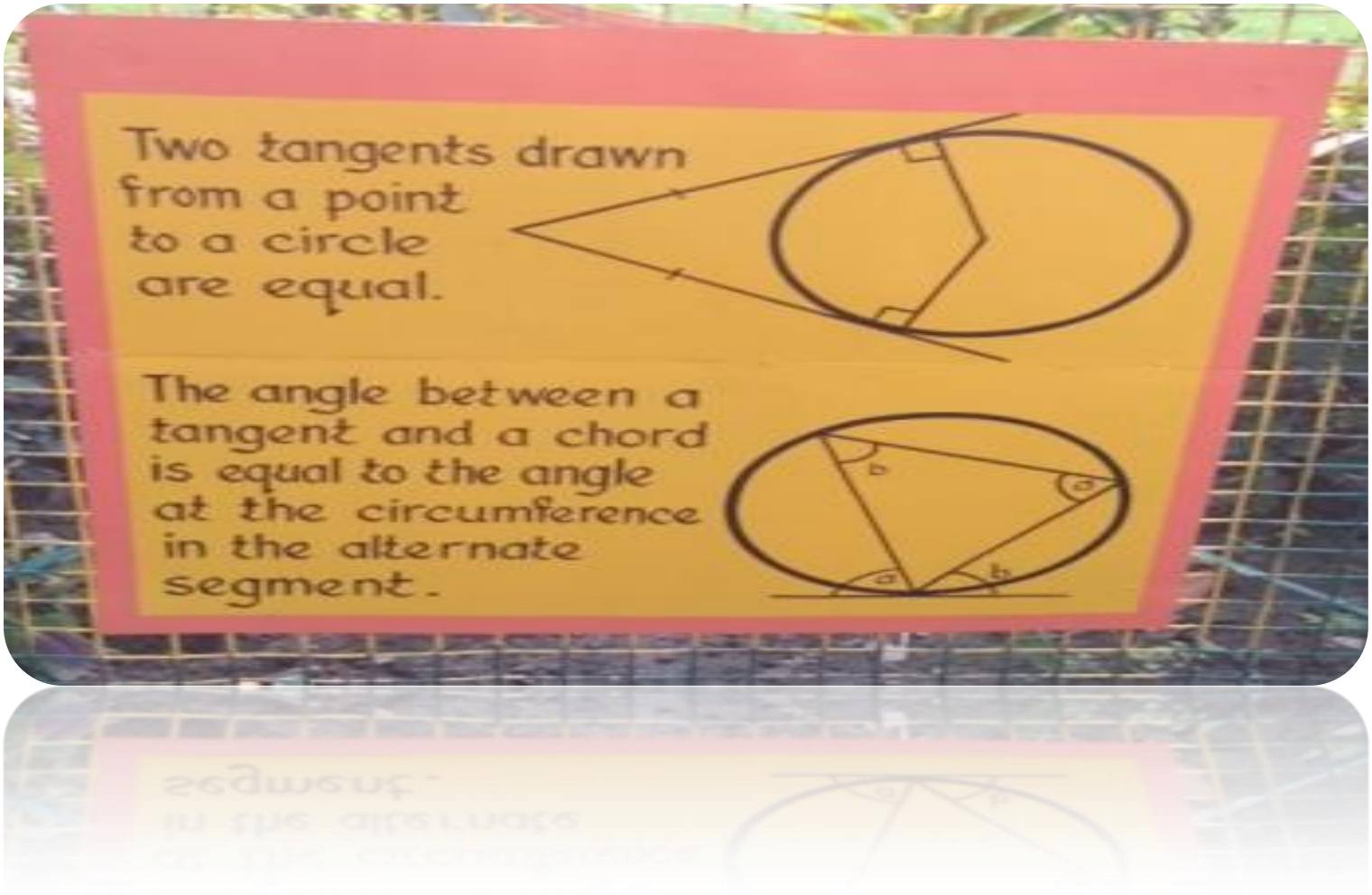


ROMAN NUMBERS

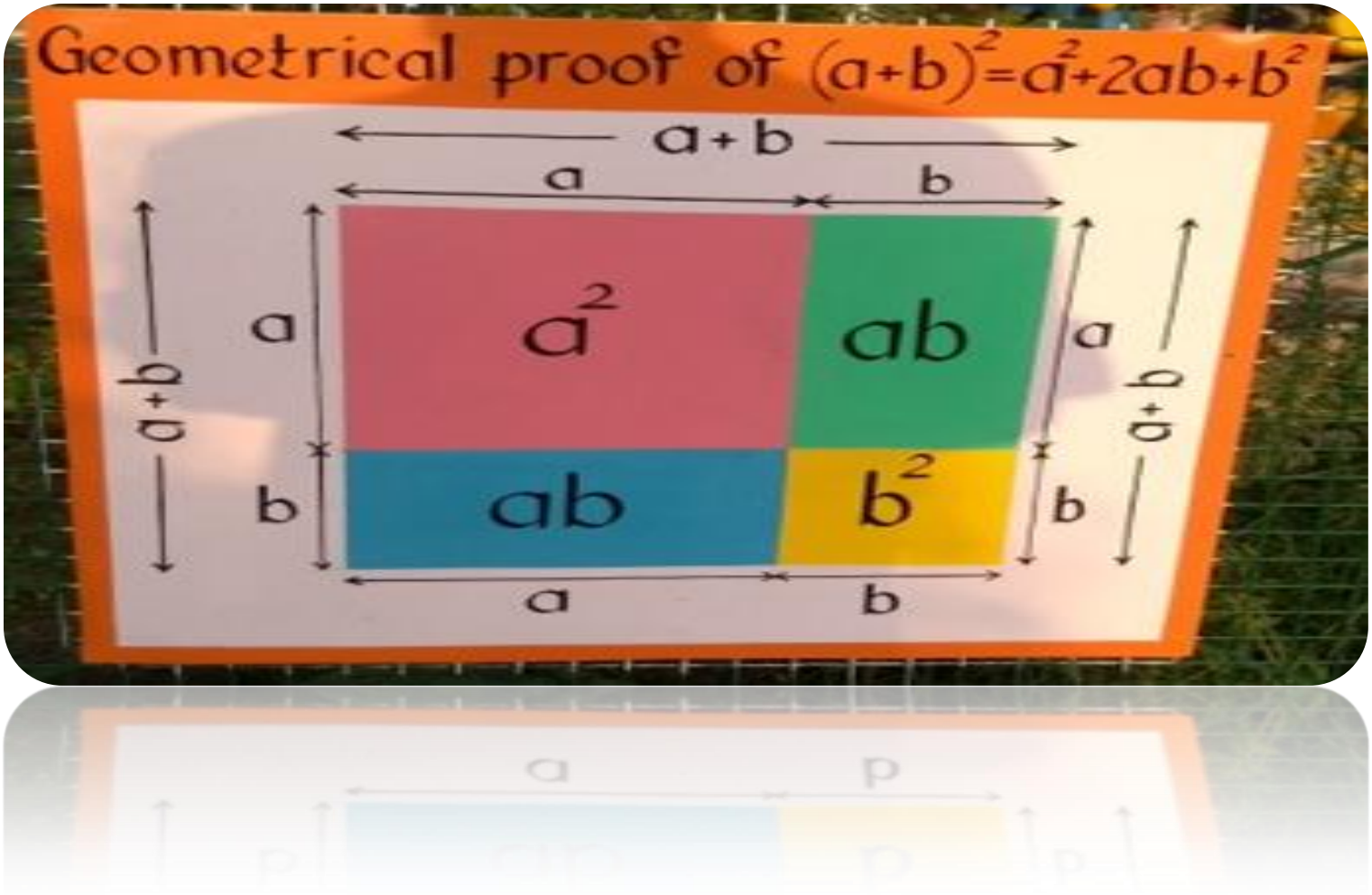
SQUARE ROOT SPIRAL



CIRCLE THEOREM



GEOMETRICAL PROOF OF IDENTITY



THANKS

FOR THE VISIT

FOR VISIT TO MATHS PARK
CONTACT NO.: 0172-2700139