



S.P.V.V.S.S
G.P.PORWAL ARTS COMMERCE AND V V
SALIMATH SCIENCE COLLEGE SINDGI-
586128

Dist:Vijayapur

Karnataka State

DEPARTMENT MATHEMATICS

PROJECT WORK

*This is to certify that student of B.SC III SEM participated in mathematics | **PROJECT WORK***

Day 2022-23 Model on *Transversal of Parallel lines*

satisfactorily completed their practical work under my supervision at our college under RANI CHANNAMMA UNIVERSITY BELAGAVI

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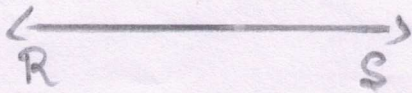
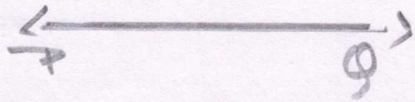
Transversal. of Parallel lines



Parallel lines :-

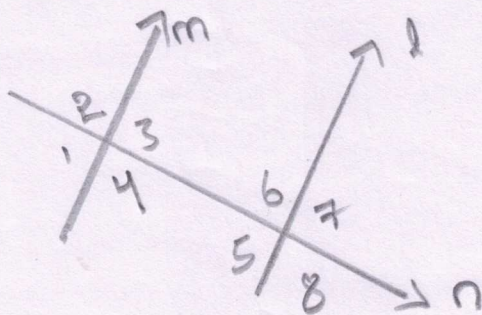
Two lines are said to be parallel when they do not intersect each other is known as

Parallel lines.



Transversal's :-

When a line intersects two lines at distinct points it is called a transversal



→ When two or more lines are cut by a transversal the angles which occupy the same relative position are called corresponding angles

In fig the pairs of corresponding angles are:-

∠1 and ∠5 ∠2 and ∠6

∠3 and ∠7 ∠4 and ∠8

* When the lines are parallel, the corresponding angles are congruent

The transversal forms several types of angles some of those angles are

* Corresponding Angles

* Alternate Angles

Corresponding Angles :-

These are formed in matching corners with the transversal when two parallel lines and the transversal

Alternate Angles :-

The angles that occur on opposite sides of the transversal line and have the same size

These are two different types of Alternate Angles :-

* Alternate Interior Angles

* Alternate exterior Angles

$\angle 2$ and $\angle 4$

$\angle 6$ and $\angle 8$

$\angle 1$ and $\angle 3$

$\angle 5$ and $\angle 7$

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