

SUBJECT: BASIC TECHNOLOGY.

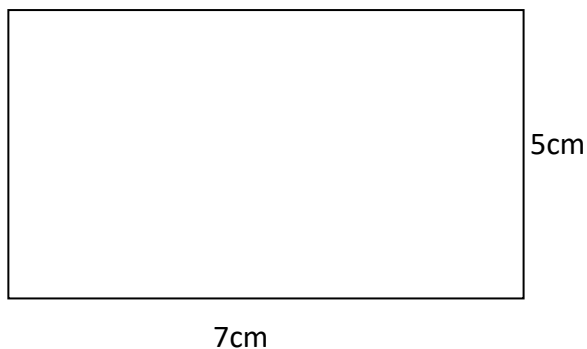
CLASS: JSS2.

TOPIC: PLANE FIGURES

PLANE FIGURE

A plane figure is simply one drawn in two-dimensions; ie, showing length and breath. The idea of area may be explained as the amount of space (square units) enclosed within the boundaries of a figure.

To measure the amount of space, we determine the number of square units.



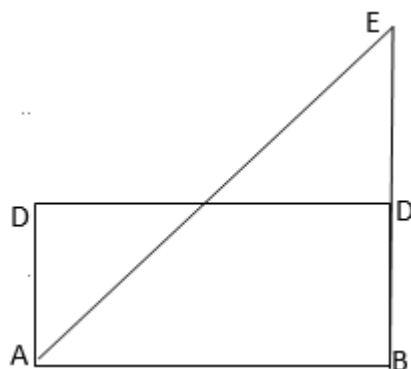
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35

Area = 35cm²

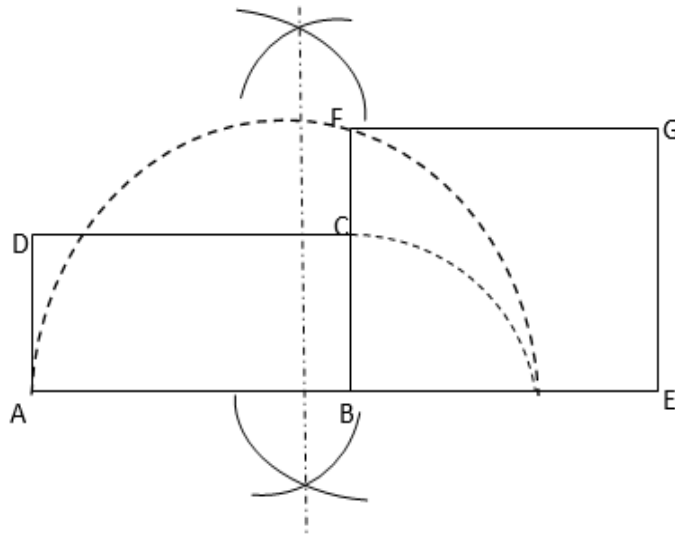
To construct a triangle of equal area to a given rectangle.

Procedure;

- Construct the given rectangle ABCD
- Double BC to CE
- Then, join E to A.
- Rectangle ABCD is equal in area to triangle ABE



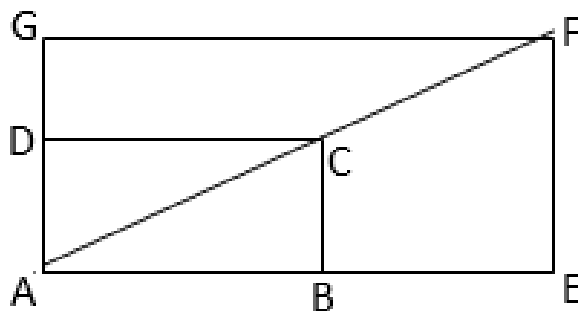
To construct a square equal in area to a given rectangle.



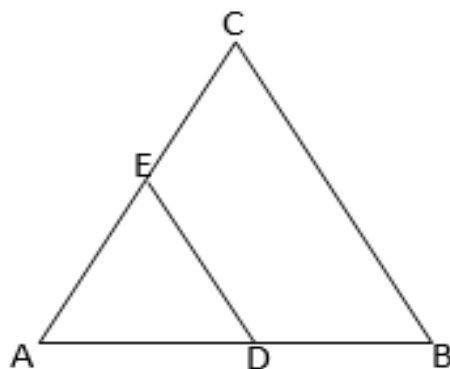
Rectangle ABCD is equal in area to square BEGF

ENLARGEMENT AND REDUCTION

To enlarge a given rectangle by ratio 4.3



To reduce a given equilateral triangle by ratio 1.2



ASSIGNMENT:

1. What is a plane figure.
2. Through construct, convert a given triangle to a square of equal area.