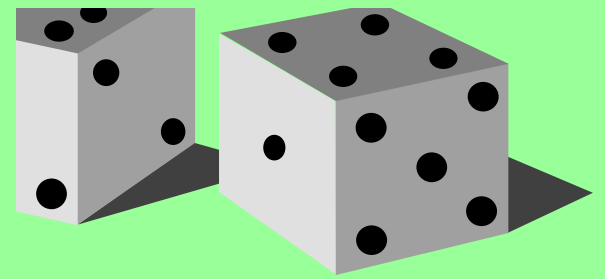
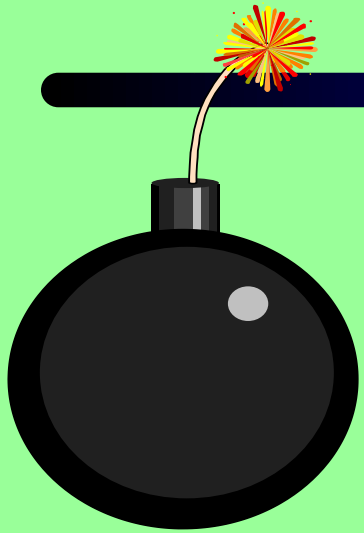
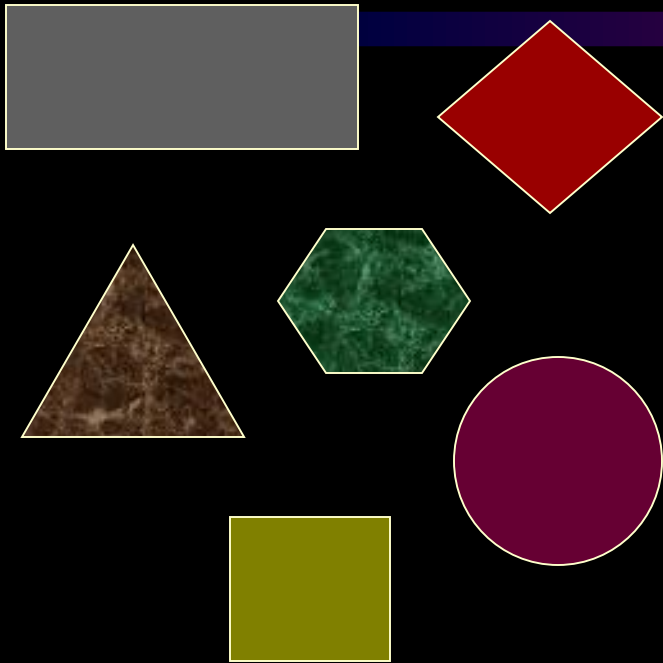


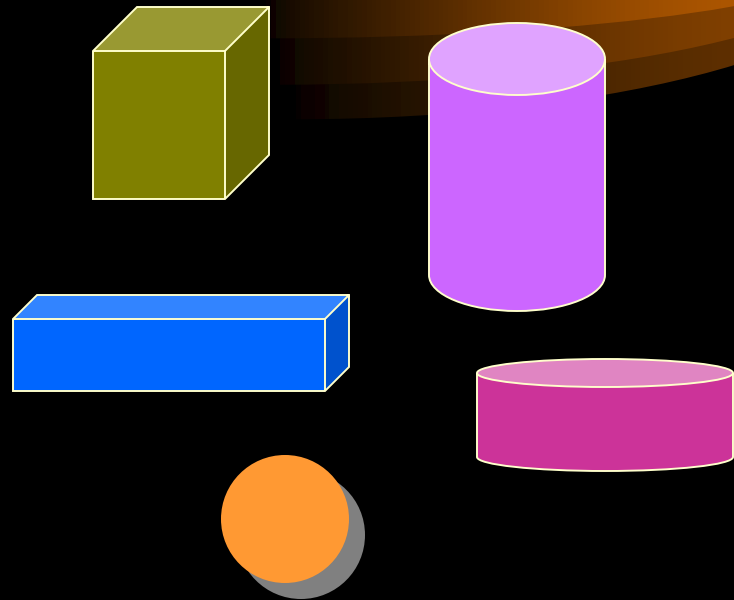
AREA AND PERIMETER



WHAT IS THE DIFFERENCE?



THESE ARE
PLANE FIGURES



THESE ARE
SOLID FIGURES

AREA AND PERIMETER

AREA

The space occupied by a plane figure is called the area.

PERIMETER

The length of a figure is called the perimeter.

FORMULAE



$$\text{Area} = l \times b$$

Where, l - length

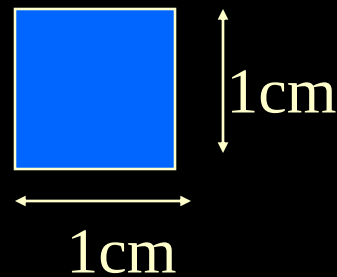
b - breadth

$$\text{Perimeter} = 2 \times (l + b)$$

Where, l - length

b - breadth

STANDARD UNIT OF AREA AND PERIMETER

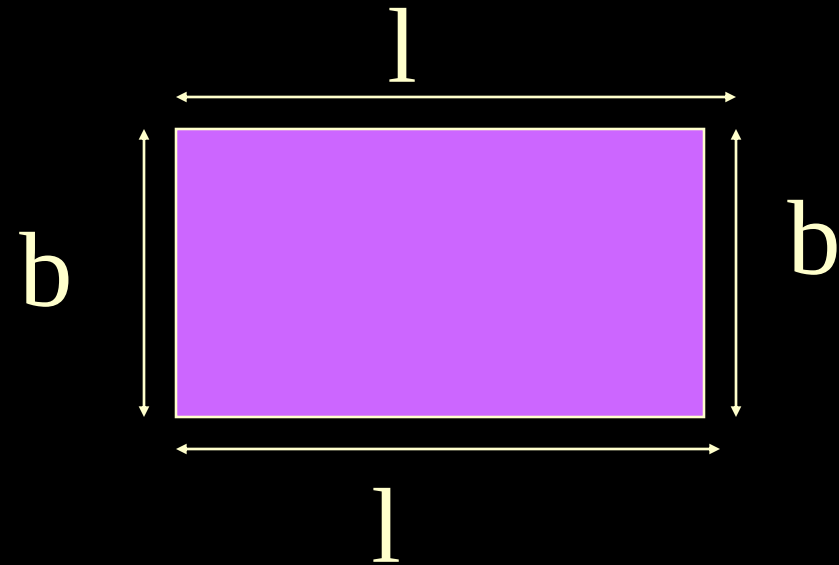


The area of a square whose side is 1cm is **square centimetre** and written as **1sq cm** or **1cm^2** . This is a standard unit of area.

The perimeter of a square whose side is 1cm is **4 centimetres** and written as **4 cm**. This is a standard unit of perimeter.

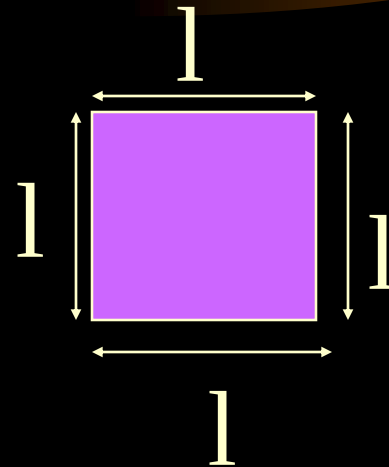
AREA OF RECTANGLE AND SQUARE

Rectangle



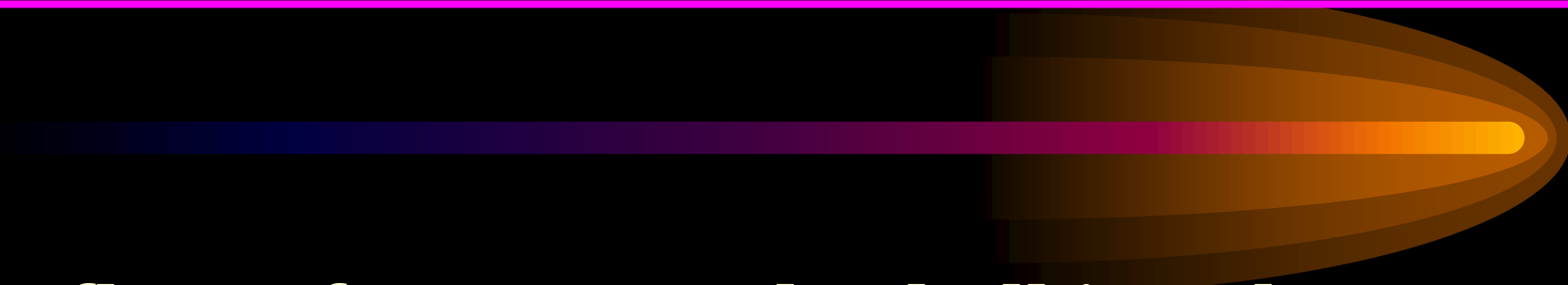
Area = l X b

Square



Area = 1 X 1 = 1²

WHAT IS TO BE FOUND AREA OR VOLUME ?



The floor of a rectangular hall is to be covered with a carpet 150cm wide. If the length and the breadth of the hall are 20m and 18m, respectively, find the cost of the carpet at the rate of Rs. 10 per metre

AREA

WHAT IS TO BE FOUND AREA OR PERIMETER ?



**A rectangular plot is 72 m long,
32 m wide . How much length
of wire will be used to fence it?**

PERIMETER

RELATIONS OF UNITS

AREA

$$100 \text{ mm}^2 = 1 \text{ cm}^2$$

$$100 \text{ cm}^2 = 1 \text{ dm}^2$$

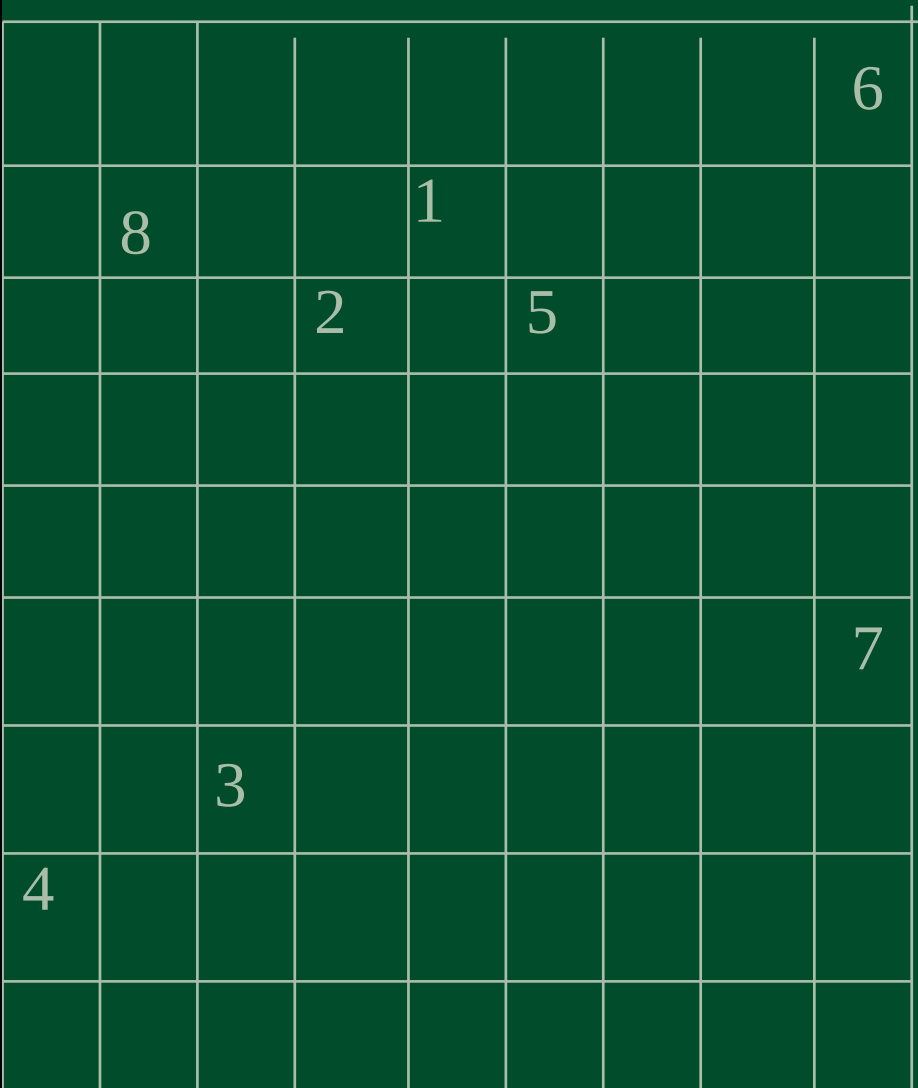
$$100 \text{ dm}^2 = 1 \text{ m}^2$$

$$100 \text{ m}^2 = 1 \text{ are}$$

$$100 \text{ ares} = 1 \text{ hectare}$$

$$100 \text{ hectares} = 1 \text{ sq km}$$

CROSS WORD PUZZLE



ACROSS:1. A plane fig. Having
length and breadth of equal len

2. Magnitude of a solid fig.

3.Volume =length X breadth X__

4.. Length =Area/ _____.

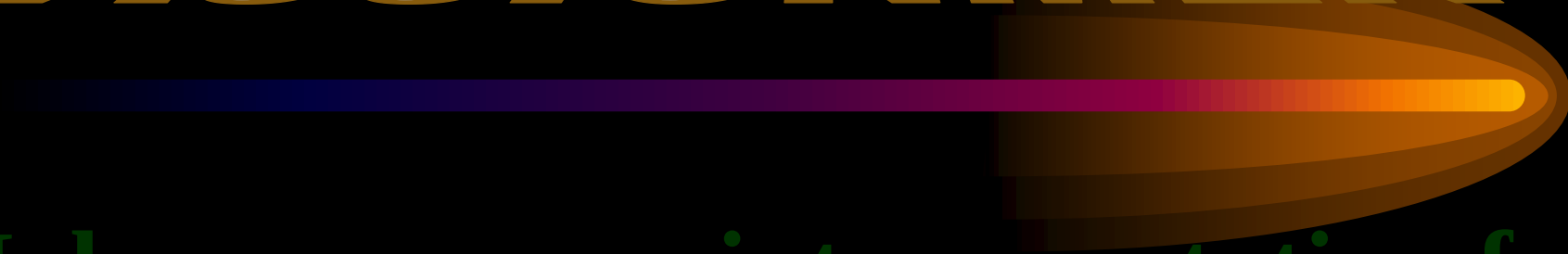
DOWN:5. Area = _____ / bread

6. Magnitude of a plane figure.

7A solid fig. having all the faces
square.

8. 100 ares = 1 _____.

ASSIGNMENT



Make a power point presentation for:

1.Area of a parallelogram.

2.Area of a triangle.