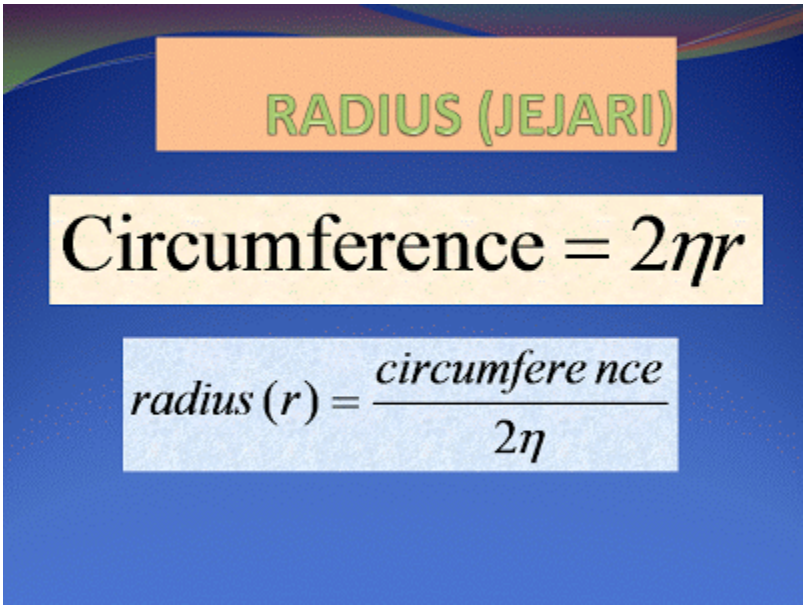
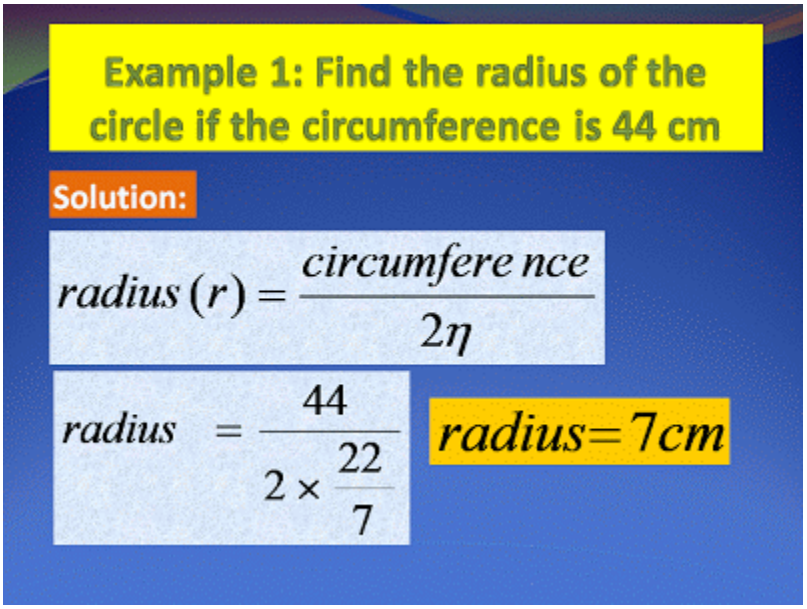
CIRCLE (BULATAN)

RADIUS (JEJARI)





MENCARI DIAMETER

Contoh :

Diberi lilitan sebuah bulatan ialah 67.8m. Cari diameter bulatan itu dan bundarkannya kepada dua tempat perpuluhan

(Guna μ = 3.142)

Penyelesaian:

Lilitan = μd

μd = 67.8

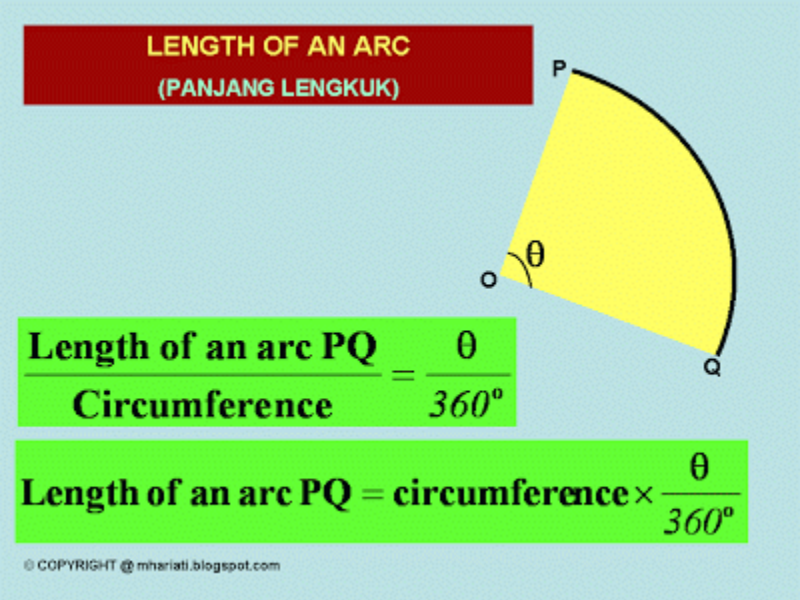
d = 67.8 ÷ μ

d = 67.8 ÷ 3.142

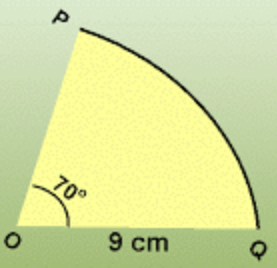
d = 21.5786

d = 21.58 m

LENGTH OF AN ARC



Example 1: Calculate the arc length PQ



Use $\eta = \frac{22}{7}$

Solution:

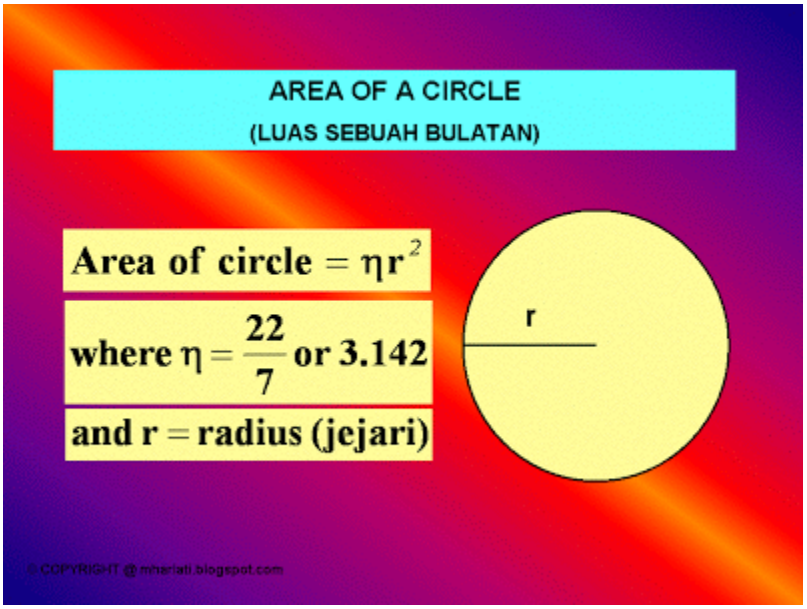
$$\text{Length of PQ} = \text{circumference} \times \frac{0}{360^\circ}$$

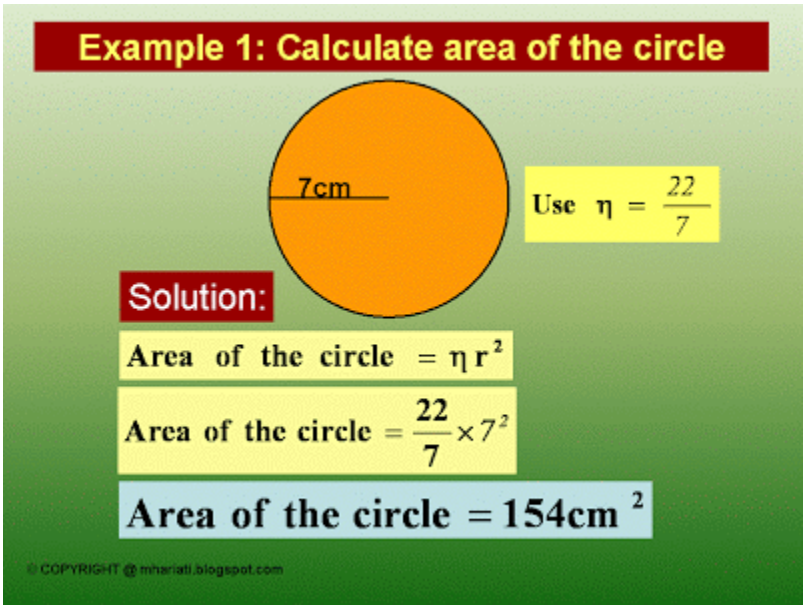
$$\text{Length of PQ} = 2\eta r \times \frac{70}{360^\circ}$$

$$\text{Length of PQ} = 2 \times \frac{22}{7} \times 9 \times \frac{70}{360^\circ}$$

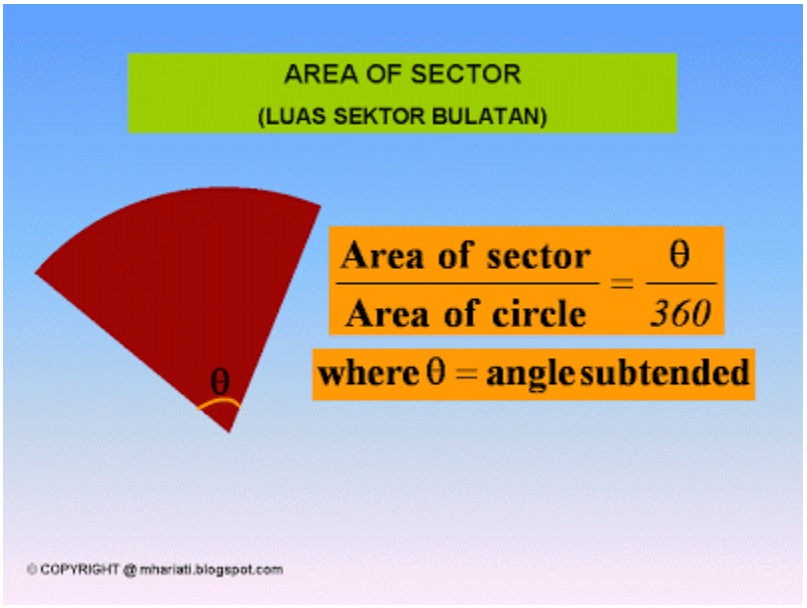
Length of PQ = 11 cm

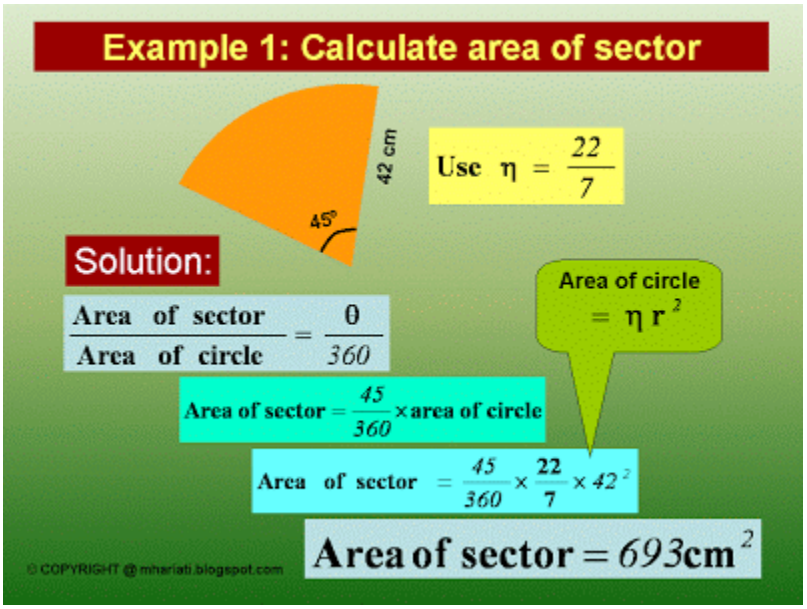
AREA OF A CIRCLE





AREA OF SECTOR





ANGLE SUBTENDED (SUDUT PADA PUSAT BULATAN)