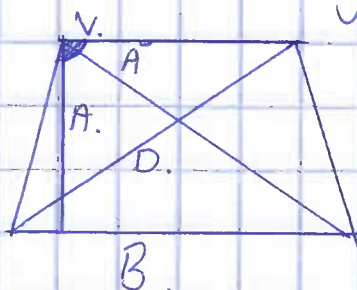


Áreas de Polígonos.

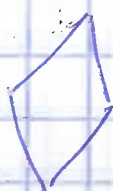
Es la medida de un polígono que contiene y al expresarla es necesario indicar la unidad usada.

Anteriormente aprendimos cuatro partes o elementos que fueron: lado, vértice, ángulo, y diagonal. Ahora conocemos otros más que son: apotema, radio, altura y base.



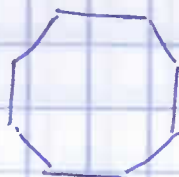
Formula Rombo

$$A = \frac{D \times d}{2}$$



Otros polígonos

$$A = \frac{P \times a}{2}$$



Area de Poligonos

Cuadrado



$$3 \times 3 = 9 \text{ cm}^2$$

lado x lado =

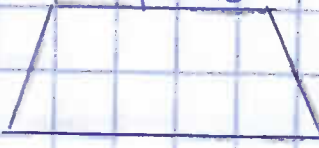
Rectangulo



$$6 \times 4 = 24 \text{ cm}^2$$

Base x Altura =

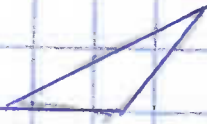
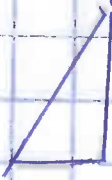
Trapezio



B x Altura

$$\frac{(B_{\text{mayor}} + B_{\text{menor}}) \times \text{Altura}}{2}$$

Triangulos



$$A = \frac{b \times A}{2}$$

$$A = \frac{B \times A}{2}$$

$$A = \frac{B \times A}{2}$$

$B = 9 \text{ cm}$
 $H = 7 \text{ cm}$
 $B = 12$



$$\frac{(B.M. + B.Me.) \times H}{2}$$

$$\frac{(9 + 12) \times 7}{2} = 21 \times 7 = \frac{147}{2}$$

R/ 73.5 cm²

$D = 12 \text{ cm}$
 $D = 18 \text{ cm}$



$$A = \frac{D \times D}{2}$$

$$A = \frac{12 \times 18}{2} = \frac{216}{2} = \text{R/ } 108 \text{ cm}^2$$

$h = 11 \text{ cm}$
 $b = 15 \text{ cm}$



$$A = \frac{b \times h}{2}$$

$$A = \frac{15 \times 11}{2} = \text{R/ } 82.5 \text{ cm}^2$$

$h = 16 \text{ cm}$
 $b = 10 \text{ cm}$



$$A = \frac{h \times b}{2}$$

$$A = \frac{16 \times 10}{2} = \frac{160}{2} = \text{R/ } 80 \text{ cm}^2$$

$$h = 7 \text{ cm}$$



$$A = h \times b =$$

$$A = 7 \times 12 = \text{R}184 \text{ cm}^2$$

$$b = 12 \text{ cm}$$

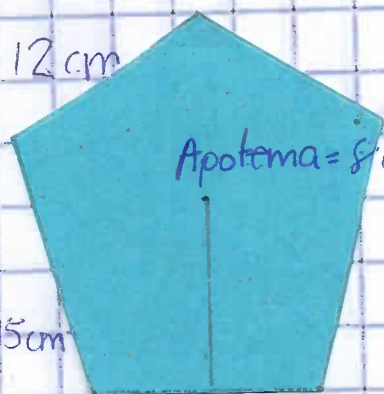


$$A = \text{lado} \times \text{lado}$$

$$A = 8 \times 8 = \text{R}164 \text{ cm}^2$$

$$b = 8 \text{ cm.}$$

$$l = 12 \text{ cm}$$

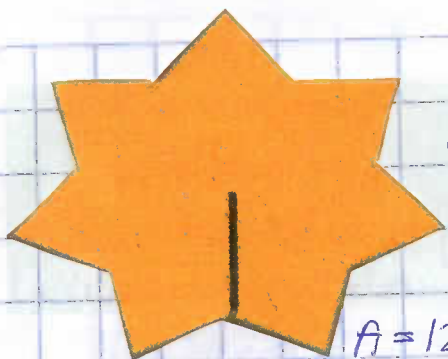


$$\text{Apotema} = 8 \text{ cm.}$$

$$l = 15 \text{ cm}$$

$$l_a = 10 \text{ cm.}$$

$$A = \frac{1800 \times 8}{2} = \frac{14,400}{2} = \text{R}17200 \text{ cm}^2$$



$$l = 15 \text{ cm}$$

$$A = \frac{P \times a}{2}$$

$$A = 12 \text{ cm}$$

$$A = \frac{210 \times 12}{2} = \frac{2520}{2}$$

$$R = 1260 \text{ cm}^2$$