

GEOMETRI

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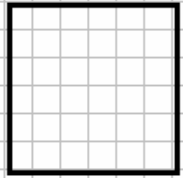
Läxa till ons v.5 : Namn + → s.172

Till alla geo. objekt/figurer

finns formler för att räkna ut

A = area

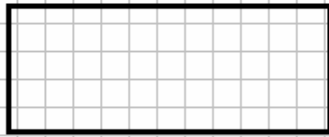
O = omkrets



$$A = s \cdot s$$

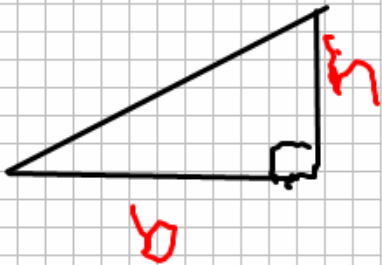
$$(b \cdot h)$$

$$O = s \cdot 4$$



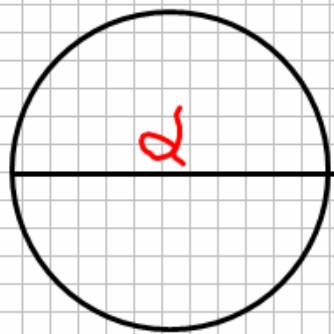
$$A_{\text{Rektangel}} = b \cdot h$$

$$O = \text{addera alla sidor}$$

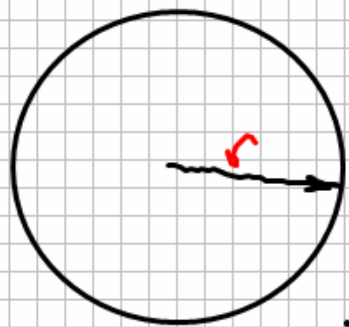


$$A_{\text{Triangel}} = \frac{b \cdot h}{2}$$



Kirkel

$d = \text{diameten}$ $(r \cdot 2)$



$r = \text{radie}$ $\left(\frac{d}{2}\right)$ halva
diametern

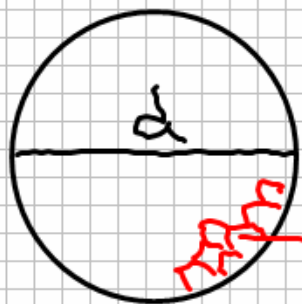
$$\pi = \text{Pi}$$

$$\pi \approx 3,141592654\dots$$

$$\pi \approx 3,14$$

$$A_{\text{Kreis}} = r \cdot r \cdot \pi$$

$$O_{\text{Kreis}} = d \cdot \pi$$



$$d = 20 \text{ cm}$$

$$A = ?$$

$$O = ?$$

$$A = r \cdot r \cdot \pi$$

$$O = d \cdot \pi$$

Börja ALLTID med att räkna ut radien / diameter

$$r = \frac{20}{2} = 10 \text{ cm}$$

$$O = d \cdot \pi = 20 \cdot \pi = 62,8$$

$$A = r \cdot r \cdot \pi = 10 \cdot 10 \cdot 3,14 = 314 \text{ cm}$$