
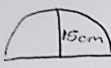




WG 10

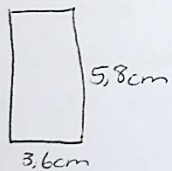
Oef. 4 Bl. 189

1.1  
$$\begin{aligned} \text{opp } \odot &= \pi r^2 \\ &= (3,142)(9)^2 \\ &= 254,5 \text{ cm}^2 \end{aligned}$$

1.2  
$$\begin{aligned} \text{opp} &= \frac{1}{2} \pi r^2 \\ &= (0,5)(3,142)(15^2) \\ &= 353,5 \text{ cm}^2 \end{aligned}$$

1.3  
$$\begin{aligned} \text{opp} &= \frac{3}{4} \pi r^2 \\ &= (0,75)(3,142)(9^2) \\ &= 190,9 \text{ cm}^2 \end{aligned}$$

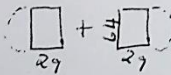
1.4  As die halfsirkel afgeknip kon raak bo, kan dit in die spasie onder geplaas word om 'n reghoek te vorm.

 
$$\begin{aligned} \text{Opp} &= l \times b \\ &= 5,8 \times 3,6 \\ &= 20,9 \text{ cm}^2 \end{aligned}$$

1.5 Twee ewe groot halfsirkels  $\Rightarrow$  Volledige sirkel.  $\odot + \odot = \odot$

$\therefore \text{Opp } \odot = \pi r^2$   
 $= (3,142)(32)^2$   
 $= 3217,41 \text{ mm}^2$

deursnee

 
$$\begin{aligned} &= 2(l \times b) \\ &= 2(64 \times 29) \end{aligned}$$

$$\begin{aligned} &= 3712 \text{ mm}^2 \\ \text{Opp } \begin{array}{|c|} \hline 64 \\ + \\ 33 \\ \hline 97 \end{array} &= l \times b \\ &= 102 \times 97 \\ &= 9894 \text{ mm}^2 \end{aligned}$$

$\text{opp } \triangle = \frac{1}{2} b \times h$   
 $= (0,5)(33)(33)$   
 $= 544,5 \text{ mm}^2$

Totale opp =  $3217,41 + 3712$   
 $+ 9894 + 544,5$   
 $= 17\,367,9 \text{ mm}^2$