
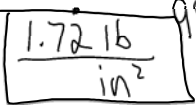


Sept 25      Test Oct 2  
Tuesday

Pressure =  $\frac{\text{Force}}{\text{Area}}$

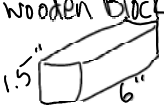

 Area =  $(9 \text{ in}) \times (11 \text{ in}) = 99 \text{ in} \cdot \text{in}$

$\frac{170 \text{ lb}}{99 \text{ in}^2} = 1.71717 \dots$

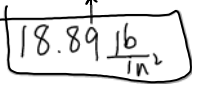

 $1.72 \frac{\text{lb}}{\text{in}^2}$

Book

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 Area =  $9 \text{ in}^2$

$\frac{170 \text{ lb}}{9 \text{ in}^2} = 18.8888$


 $18.89 \frac{\text{lb}}{\text{in}^2}$

wooden Block

stiletto heel

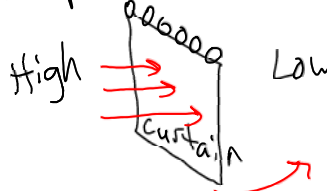


Area =  $.5 \text{ in} \times .5 \text{ in} = .25 \text{ in}^2$

Pressure =  $\frac{\text{Force}}{\text{area}} = \frac{170 \text{ lb}}{.25 \text{ in}^2}$

$\frac{680 \text{ lb}}{\text{in}^2}$

Pressure always pushes from high pressure to low pressure.

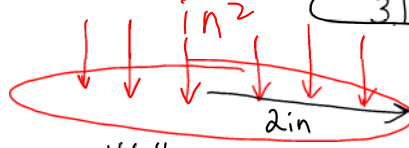


High → Low

curtain

$15 \times 12.56$

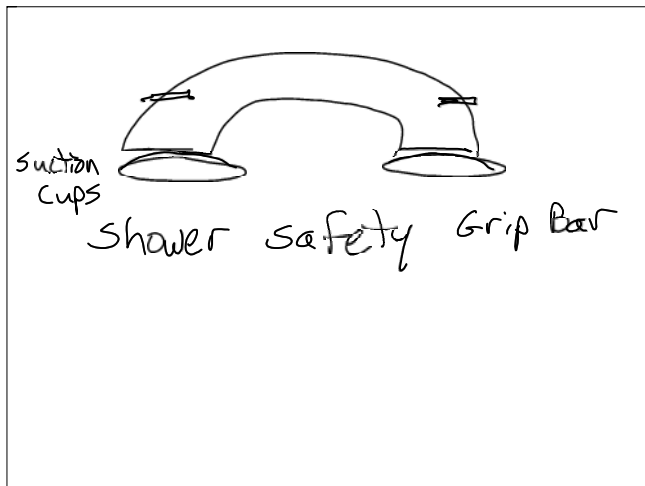
$15 \frac{\text{lb}}{\text{in}^2}$



$14 \frac{\text{lb}}{\text{in}^2}$

$14 \times 12.56$

area of circle  $\pi r^2 =$   
 $3.14 \times 2 \times 2 = 12.56 \text{ in}^2$



Vacuum Packing a Kid