

relative densitie 0.7 (wood)

700 kg/m3 Find gr of the liquid

V= 4 Voube

ent. of the body = wt. of hopened dispolared

M3. kg - g =) WE (M)

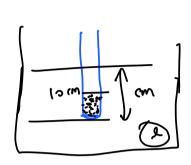
elative density = 
$$\frac{8}{80}$$
 =)  $1 = \frac{8 - 038}{14.1 \times 10^{-3}}$ 

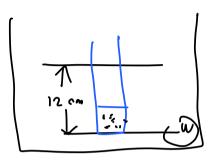
$$V = \frac{1}{3} \cdot \frac{3}{4} \cdot \frac{3}{2} \cdot \frac{3}{2} \cdot \frac{3}{4} = \frac{3 \cdot 8 \times 10^{2} \text{ hz}}{1.4 \times 10^{3} \text{ hz}}$$

$$V = \{4 : \{ cm^3 = 2 \cdot 69 \}$$

$$= \{4 : \{ 7 : \{1 \} \} \} \}$$

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velalize density = 
$$\frac{g}{g}$$

$$\frac{\frac{P_{\lambda}}{S_{\vartheta}}}{\frac{1}{S_{\vartheta}}} = \frac{12}{10 \text{ K}}$$

## · 20 N in air is 4

## . Sind the cut in water

[2.9: 3w Nwater = V (4000) g - V (1000) g

$$R.P = \frac{V98}{V980} = \frac{W_{aiv}}{V9(8-8w)}$$

$$= \frac{W_{av}}{V89-V8w8} = \frac{W_{av}}{W_{av}-F_b}$$

$$4 = \frac{20}{20 - W_{\text{water}}} = \frac{20 - W_{\text{H}}}{20 - 5 = W}$$

. If a body was 204 in any and who 154 
$$w = 154$$

in water. Find the relative densits of the body-

$$709 \quad \text{in air} \quad \text{vgss} - \text{vgs} = 30$$

$$1000 \quad \text{in liquid} \quad \text{vgs} = 30$$

-30g = wt - of water gisp

130 graff = 18 g/

V8,07 = 80

30: 78

$$V g_s g = V g_s g$$

$$\frac{g_s - 1500}{3}$$

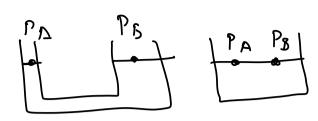
wf. of the solid = Wk. of Ligard displand

280

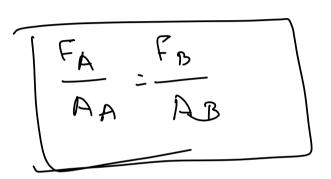
300 1500(8) = 535 2400=35 85/5~=2.4 RE-200 > PROBLEM (arsente)?

(9)

PASCALS LAW: 7



PA = FA PB = FB PB

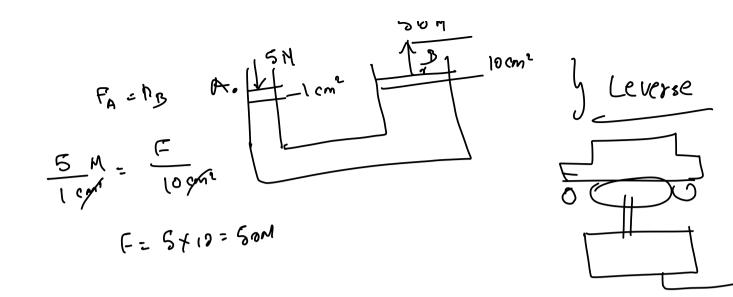


> Area of C.S of two any of 1-by drawlx press are

1 cm² and 10 cm².

Force 5 M -> in thinner arm

What should be the love in THICKER ARM



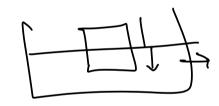
Sould it be nesson AIR? ( P.206)2 = Warz AW Wt 7 air f can be different 35 N 1800 C=10078 (L = 1 kg. 1L=> 10H 35 - 10 =)





$$A \qquad P_0$$

$$P_A = P_0 + \frac{M \cdot 9}{A}$$

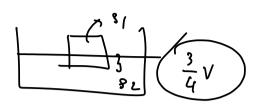


Wt of wood = Wt of water displand

$$\frac{g_{s}}{g_{0}} = f = \frac{g_{s}}{g_{s}} = (0.31) = f$$







$$8.8 = \left(\frac{3}{4}\right) 8_2 8$$

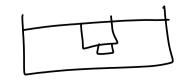
$$= 3 \times 4 = 5$$

wood >

mass 259

woodwith-metal of Mars 59 with volume 2 cm3





Volum + le word?

mass = 5 kg > Mock in lis. > Fb

Ima-ence /

$$V_{S} S_{S} = mass$$

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 $V_{S} (5000) = 5$ 
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 $V_{S} = \frac{5}{5000} = \frac{1}{1000} m^{3} = 1000 \text{ M}$ 

$$= \left(\frac{1}{1600}\right) \times 1000 \times 10$$

1000 g packed 500 cm3

( 2 / 1, ) , , / 2 )

-s(t) (4 ('s) L5(2)