Show - Work 0.011m 0.27m h=1.17 SI hz=0.27 2.20m h2=0.27 2.20m h2 mghz=1/2mv2, V2= J2ghz $S_1 = V_1 t$ $S_2 = V_2 t$ Ratio: Si = Vit -> Si= SiV2 = SiVh, hz = 0.27m h, = 0.011m S,= 2.20 $\Rightarrow S_z = S_i \sqrt{\frac{h_2}{h_i}}$ Sz = 2.20(2/2x/0x000) (V2×10×0.27) $=95_2=(2.20m)(\sqrt{\frac{0.27}{0.011}})$

#5. Q=(2)(210%)(2580) = -43600 J/ng Q=m(Latenheur)

Costcom = 1996 J/ngc Lieun = 233600 3/mgc Luater = 334,00 J/49 Cnatur = 4/184 7/20

Quet = m/4186x100+ 23 3600 + 1996x1000 + 33400 × 000)