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	Volume of Mold (ft ³)	Weight of Wet Soil in the Mold (lb)	Moisture Content <i>@</i> (%)			
	1/30	3.88	12			
Chief and the second	1/30	4.09	14			
	1/30	4.23	16			
	1/30	4.28	18			
	1/30	4.24	20			
	1/30	4.19	22			
		•				

E. C.	CHAPTER 4b.	GEOTECHNICAL MA	TERIALS & COMPA	CTION	Slide No. 128	
	Exam	ENCE 420 ©Assakkal				
	Volume, $V(\mathrm{ft}^3)$	Weight, W(lb)	γ (lb/ft ³)	<i>w</i> (%)	γ_d (lb/ft ³)	
	1/30	3.88	116.4	12	103.9	
	1/30	4.09	122.7	14	107.6	
	1/30	4.23	126.9	16	109.4	
2	1/30	4.28	128.4	18	108.8	
	1/30	4.24	127.2	20	106.0	
	1/30	4.19	125.7	22	103.0	
	Sample Calculation : Weight of Wet Soil = 4.09, $\omega = 12\%$, Hence $\gamma = \frac{W}{V} = \frac{4.09}{(1/30)} = 122.7 \frac{\text{lb}}{\text{ft}^3}, \qquad \gamma_d = \frac{\gamma}{1+\omega} = \frac{122.7}{1+0.14} = 107.6 \frac{\text{lb}}{\text{ft}^3}$					
Mc						

































