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soil particles is given

by $(m_2 - m_1) = 20.00\text{g}$

The mass of water

displaced by the soil

particles is given by

$(m_4 - m_1) - (m_3 - m_2) =$

$(50.03) - (42.48) =$

7.55g $G_s = (m_2 - m_1) / [$

$(m_4 - m_1) - (m_3 - m_2)] =$

$(20.00\text{g}) \div (7.55\text{g}) =$

2.65 For the sample

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