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#Jenny



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#Rio



Cool! I'am really happy

#Markus Jensen



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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Solution DYNAMICS Meriam & Kraige 6th Edition US version - Chapter 1

101] For a 100-gm sphere
 $W = mg = 100 \times 10^{-3} \times 9.81 = 0.981 \text{ N}$
 $m = 0.1 \text{ kg}$
 $100 \text{ g} = 0.1 \text{ kg}$
 $W = mg = 0.981 \text{ N}$
 $W = 0.981 \text{ N}$

102] Mass of steel sphere, $m = 75$
 $W = (75 \times 10^{-3})(9.81) = 0.736 \text{ N}$
Force of steel attraction: $\frac{Gm^2}{r^2}$
Weight of each sphere: $\frac{Gm^2}{r^2}$
 $\frac{Gm^2}{r^2} = \frac{Gm^2}{r^2}$
 $\frac{Gm^2}{r^2} = 0.1 \times \frac{6.67 \times 10^{-11}}{(0.02)^2}$
 $= 1.667 \times 10^{-10} \text{ N}$

103] For a 100-gm sphere
 $W = mg = 100 \times 10^{-3} \times 9.81 = 0.981 \text{ N}$
 $m = 0.1 \text{ kg}$
 $100 \text{ g} = 0.1 \text{ kg}$
 $W = mg = 0.981 \text{ N}$
 $W = 0.981 \text{ N}$

104] $\vec{V}_1 = 10 \hat{i} + 20 \hat{j}$ $\vec{V}_2 = 15 \hat{i} + 20 \hat{j}$
 $\vec{V}_3 = 10 \hat{i} + 20 \hat{j} + 15 \hat{k}$
 $\vec{V}_4 = 15 \hat{i} + 20 \hat{j}$
 $\vec{V}_5 = 10 \hat{i} + 20 \hat{j} + 15 \hat{k}$
 $\vec{V}_6 = 15 \hat{i} + 20 \hat{j}$
 $\vec{V}_7 = 10 \hat{i} + 20 \hat{j} + 15 \hat{k}$
 $\vec{V}_8 = 15 \hat{i} + 20 \hat{j}$
 $\vec{V}_9 = 10 \hat{i} + 20 \hat{j} + 15 \hat{k}$
 $\vec{V}_{10} = 15 \hat{i} + 20 \hat{j}$

105] The weight of an orange apple is
 $W = mg = 0.1 \times 9.81 = 0.981 \text{ N}$
Mass in kg is $m = \frac{W}{g} = \frac{0.981}{9.81} = 0.1 \text{ kg}$
Mass in kg is $m = 0.1 \text{ kg}$
 $W = mg = 0.981 \text{ N}$
These apples weigh about 2 N each. How many of them are there?

106] Mass of steel sphere, $m = 75$
 $W = (75 \times 10^{-3})(9.81) = 0.736 \text{ N}$
Force of steel attraction: $\frac{Gm^2}{r^2}$
Weight of each sphere: $\frac{Gm^2}{r^2}$
 $\frac{Gm^2}{r^2} = \frac{Gm^2}{r^2}$
 $\frac{Gm^2}{r^2} = 0.1 \times \frac{6.67 \times 10^{-11}}{(0.02)^2}$
 $= 1.667 \times 10^{-10} \text{ N}$

107] $W = mg = 0.1 \times 9.81 = 0.981 \text{ N}$
 $W = 0.981 \text{ N}$
Solve for h to obtain $h = 2.18 \text{ m}$

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