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courses. Volume 1 covers mechanics, sound, oscillations, and waves. Volume 2 covers thermodynamics, electricity and magnetism, and Volume 3 covers optics and modern physics. This textbook emphasizes connections between

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Volume 3 covers optics and modern physics. This textbook emphasizes connections between theory and application, making ...

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$m = 8.40 \text{ s}$   $m = 80.9 \text{ s}$   $m$

0. 20 2 2 2 0 max

$g v R 6.2$

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10. A fairground ride spins its occupants inside a flying saucer-shaped container. If the horizontal circular path the riders follow has an 8.00 m radius, at how many

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 $m_1 = 8.40 \text{ kg}$ ,  $m_2 = 0.9 \text{ kg}$ ,  $m_3 = 0.20 \text{ kg}$   
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 $a = 0 \text{ m/s}^2$  max ? ? ?  
 $g = 9.8 \text{ m/s}^2$ ,  $v = R \omega$  6.2

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We use the

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$v_0$  ? at because  
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## CENTRIPETAL ACCELERATION

10. A fairground ride spins its occupants inside a flying saucer-shaped container. If the horizontal circular path the riders follow has an 8.00 m radius, at how many

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