Merry Mixer Worksheet

Names:

Use the Simple Circular Motion Ride program

Tasks:

1. How do the magnitudes of the g-forces on the riders depend upon the operating parameters?

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2. What configuration of parameters will give the maximum acceleration (to at least one of the riders)?

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3. What configuration of parameters will give a steady g-force for each of the riders?

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4. What configuration of parameters will give the greatest variation in g-force for a particular rider?

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