

8.5: Analysis

1. In general, what is the direction of the push or pull if an object is traveling in a circle?
2. For each of the following quantities, determine whether changing the quantity would change the amount of push or pull when an object is circling. Explain each answer.
 - a. Speed at which it circles
 - b. Radius of circle
 - c. Mass of the object
3. Which object (Marble, Object on Rope, or Spaceship) do you think has the greatest centripetal acceleration? Why?
4. Which object (Marble, Object on Rope, or Spaceship) do you think requires the greatest centripetal force to keep it circling? Why?

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