

**Astronomy Ranking Task:  
Kinematics**

**Exercise #3**

**Description:** The following items travel the indicated distances in the indicated amounts of time.

- A. a wind-up toy car travels 0.15 m in 2.5 s
- B. a soccer ball rolls 2.3 m in 0.55 s
- C. a bicycle travels 0.60 m in 0.075 s
- D. a cat runs 8.0 m in 2.0 s

**A. Ranking instructions:** Rank the items in order of decreasing speed.

Ranking Order: Fastest 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_ Slowest

Or, there is not enough information to determine this. \_\_\_\_\_ (indicate with a check mark)

**Carefully explain** your reasoning for ranking this way:

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