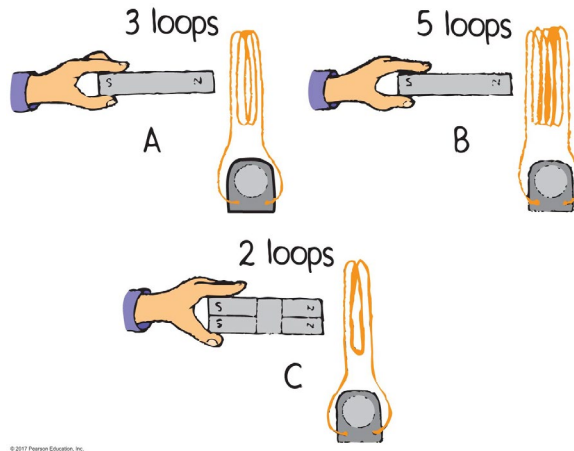


Astronomy Ranking Task: Electricity & Magnetism

Exercise #1

Description: In each of three situations, labeled A – C, bar magnets are moved into the wire coils shown in identical (quick) fashion. The numbers of loops are indicated, and each set of loops is connected to an ammeter. Neglect the electrical resistance in the loops.



A. Ranking instructions: Rank the readings on the ammeters.

Ranking Order: Greatest 1 _____ 2 _____ 3 _____ Least

Or, each ammeter reads the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:
