

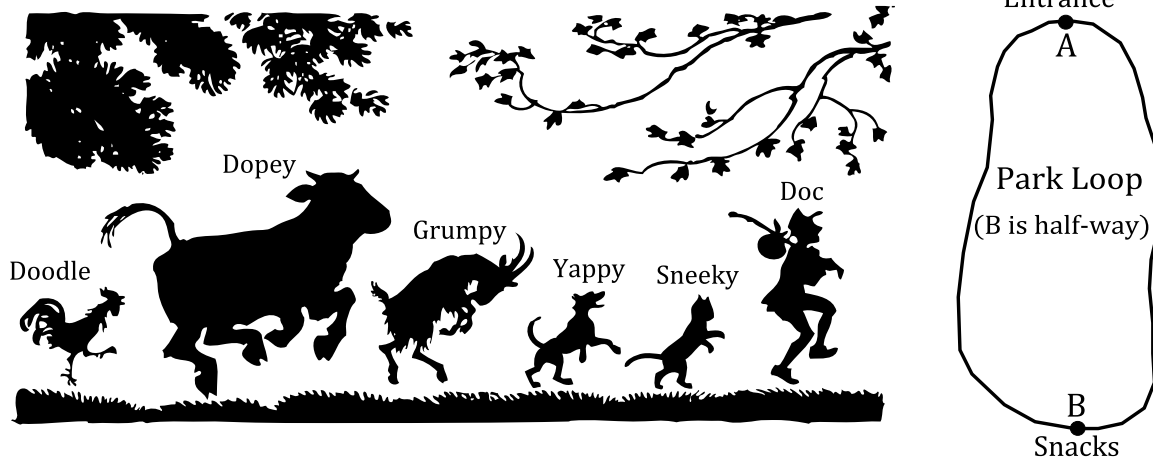


Problem of the Week

Problem B

Doc and Friends Go for a Walk

Doc takes his menagerie on a long walk, parading along a 2 km loop around the park. Doc walks at a leisurely 4 km per hour, as do Sneeky, Yappy, and Doodle. But Grumpy and Dopey walk, in the same direction, at 6 km per hour.



- If everyone starts at the entrance, walking in the same direction, where will Doc and his group be after $\frac{1}{2}$ hour? Where will Grumpy and Dopey be?
- If they all walk for $2\frac{1}{2}$ hours, how many times will Grumpy and Dopey pass by Doc and his friends Sneeky, Yappy, and Doodle?

