



Neurological Nasties XXXIX

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1. The day before yesterday I was 13 years old. Next year I will be 16. When is my birthday, and what is the date today ?
2. Nine engineers are experimenting with energy efficient vehicles. They each have a car that can travel 40 km on the contents of a one litre fuel tank, and each car can carry nine extra one litre containers of fuel and their passenger. Unopened containers of fuel can alone be transferred from car to car.

What is the greatest distance that can be travelled if each car must travel in a straight line and then return to the starting point ?

3. A straight road is 30 km long. A jogger, Andrew, starts at noon from one end and continues at a constant speed of 5 km/hr. At the same time another jogger, Betty, travelling at a constant speed of 10 km/hr, starts from the other end along with a fly, Louie, travelling at 15 km/h. When Louie meets jogger Andrew, he *immediately* turns around and flies towards Betty.

When does Louie meet jogger Betty ?

When will Louie be crushed between Andrew and Betty if they collide and Louie does not get out of their way ?

