

Hammock Problems
Oh, Digit All!

1. A, B, and C are 5, 6, and 7 respectively.
2. Your trip meter at first read 16 miles, and you continued to drive at 45 mph.
3. Just a bit of algebra shows why you are so lucky. Start with any number n , and the next few values are ...

$$n + 5$$

$$21n + 105$$

$$21n + 5$$

$$63n + 15$$

$$63n + 115$$

Next, when you take those digit sums, all the multiples of 9 are removed, in particular the $63n$. Your remainder will either be 115 at some point, or another number that has a digit sum of LUCKY 7!