Think Academy

AMC 8 Day 2 Divisibility

1 （1分）A four digit number $\overline{A34B}$ is divisible by 5 and 9. $A+B$ is _____ .

A. 7　　B. 11　　C. 2　　D. 2 or 9　　E. 2 or 11

2 （1分）The number $\overline{2A6A}$ is divisible by 5 and 9. This four digit number is _____ .

3 （1分）How many different digits can be filled in the square to make the number be divisible by 3?

$$\overline{135\square 8}$$

A. 0　　B. 1　　C. 2　　D. 3　　E. 4

4 （1分）How many integers between 1 and 2013 (inclusive) are divisible by 6 or 8?

A. 301　　B. 503　　C. 1006　　D. 500　　E. 48

5 （1分）The sum of all digits is a multiple of 9 for some three digit numbers. How many three digit numbers like this are there?

A. 111　　B. 267　　C. 100　　D. 110