Problem of the Week

Problem E

Random Number Threads 3

Travis creates t-shirts printed with three random numbers. The first number is a random integer from 1 to 20, inclusive, printed in green. The second number is a random integer from 1 to 12, inclusive, printed in pink. The third number is a random integer from 1 to 8, inclusive, printed in blue.

One of Travis' t-shirts is randomly chosen. What is the probability that the sum of the three random numbers on this t-shirt is divisible by 13?

