
MATHCOUNTS®

2013

■ Chapter Competition ■

Target Round

Problems 3 and 4

Name _____

School _____

**DO NOT BEGIN UNTIL YOU ARE INSTRUCTED
TO DO SO.**

Total Correct	Scorer's Initials

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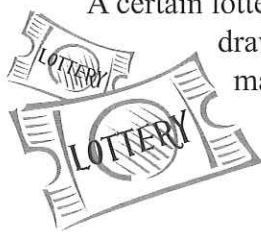
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3. _____ tickets



A certain lottery has 20 million possible combinations in their weekly drawing. If you wanted to purchase 20 million tickets, how many tickets would you need to purchase each second, on average, to buy them all in one week? Express your answer to the nearest whole number.

4. _____

What is the mean of all possible positive three-digit integers in which no digit is repeated and all digits are prime? Express your answer as a decimal to the nearest hundredth.