MASSACHUSETTS MATHEMATICS LEAGUE DECEMBER 2003 POUND 2: NUMBER THEORY

ROUND 2: NUMBER THEORY	ANSWERS
	A)
	B)
	C)
A) During rush hour on December fourth, 20% of the cars on Roremaining took exit 2, and 10% remaining after that took exit how many cars traveled the route during rush hour that day?	it 3. If 162 cars continued on Route 314
B) A palindrome reads the same from right to left or vice versal palindrome. How many palindromes are there between 10,000 and 10,00	

C) The length of each side of a triangle is a prime, and its perimeter is also a prime. What is the smallest possible perimeter that the triangle could have?