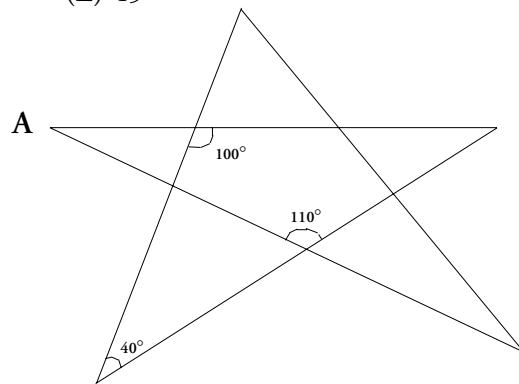


1999 AMC 8 Sample Questions

- $(6 ? 3) + 4 - (2 - 1) = 5$. To make this statement true, the question mark between the 6 and the 3 should be replaced by
 (A) \div (B) \times (C) $+$ (D) $-$ (E) None of these
- The third exit on a highway is located at milepost 40 and the tenth exit is at milepost 160. There is a service center on the highway located three-fourths of the way from the third exit to the tenth exit. At what milepost would you expect to find this service center?
 (A) 90 (B) 100 (C) 100 (D) 120 (E) 130
- A complete cycle of a traffic light takes 60 seconds. During each cycle the light is green for 25 seconds, yellow for 5 seconds, and red for 30 seconds. At a randomly chosen time what is the probability that the light will not be green?
 (A) $\frac{1}{4}$ (B) $\frac{1}{3}$ (C) $\frac{5}{12}$ (D) $\frac{1}{2}$ (E) $\frac{7}{12}$
- The average age of the 40 members of a computer science camp is 17 years. There are 20 girls, 15 boys and 5 adults. If the average age of the girls is 15 and the average age of the boys is 16, what is the average age of the adults?
 (A) 26 (B) 27 (C) 28 (D) 29 (E) 30
- The degree measure of angle A is
 (A) 20 (B) 30 (C) 35 (D) 40 (E) 45



Answers: 1. (A) 2. (E) 3. (E) 4. (C) 5. (B)



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