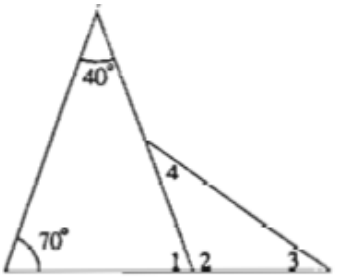
1997 Q12

12. $\angle 1 + \angle 2 = 180°$
$\angle 3 = \angle 4$
Find $\angle 4$

(A) 20° **(B)** 25° **(C)** 30° **(D)** 35° **(E)** 40°



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2007 Q14

14. The base of isosceles $\triangle ABC$ is 24 and its area is 60. What is the length of one of the congruent sides?

(A) 5 **(B)** 8 **(C)** 13 **(D)** 14 **(E)** 18

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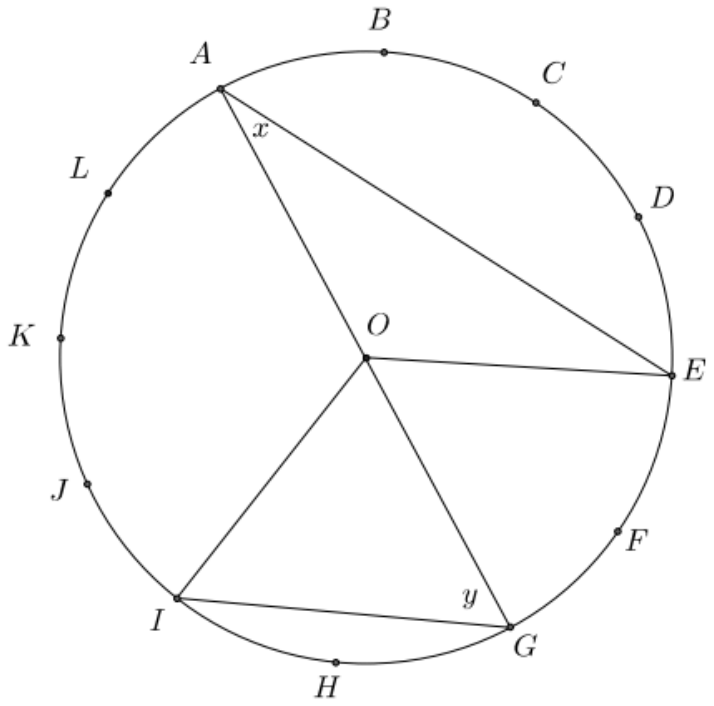
2014 Q15

15. The circumference of the circle with center O is divided into 12 equal arcs, marked the letters A through L as seen below. What is the number of degrees in the sum of angles x and y?

(A) 75 **(B)** 80 **(C)** 90 **(D)** 120 **(E)** 150



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2005 Q15

15. How many different isosceles triangles have integer side lengths and perimeter 23?

(A) 2 **(B)** 4 **(C)** 6 **(D)** 9 **(E)** 11