

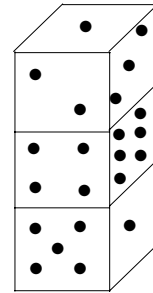
2000 AMC 8 Sample Questions

5. Each principal of Lincoln High School serves exactly one 3-year term. What is the maximum number of principals this school could have during an 8-year period?

(A) 2 (B) 3 (C) 4 (D) 5 (E) 6

8. Three dice with faces numbered 1 through 6 are stacked as shown. Seven of the eighteen faces are visible, leaving eleven faces hidden (back, bottom, between). The total number of dots NOT visible in this view is

(A) 21 (B) 22 (C) 31 (D) 41 (E) 53

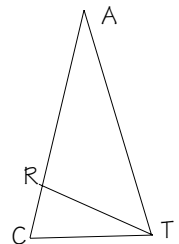


10. Ara and Shea were once the same height. Since then Shea has grown 20% while Ara has grown half as many inches as Shea. Shea is now 60 inches tall. How tall, in inches is Ara now?

(A) 48 (B) 51 (C) 52 (D) 54 (E) 55

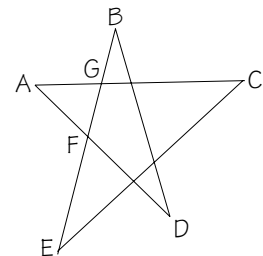
13. In triangle CAT , we have $\angle ACT = \angle ATC$ and $\angle CAT = 36^\circ$. If \overline{TR} bisects $\angle ATC$, then $\angle CRT =$

(A) 36° (B) 54° (C) 72° (D) 90° (E) 108°



24. If $\angle A = 20^\circ$ and $\angle AFG = \angle AGF$, then $\angle B + \angle D =$

(A) 48° (B) 60° (C) 72° (D) 80° (E) 90°



Answers: 5. (C) 8. (D) 10. (E) 13. (C) 24. (D)

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