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**2015 Q7**

7. Each of two boxes contains three chips numbered 1, 2, 3. A chip is drawn randomly from each box and the numbers on the two chips are multiplied. What is the probability that their product is even?

(A)  $\frac{1}{9}$     (B)  $\frac{2}{9}$     (C)  $\frac{4}{9}$     (D)  $\frac{1}{2}$     (E)  $\frac{5}{9}$

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**2013 Q8**

8. A fair coin is tossed 3 times. What is the probability of at least two consecutive heads?

(A)  $\frac{1}{8}$     (B)  $\frac{1}{4}$     (C)  $\frac{3}{8}$     (D)  $\frac{1}{2}$     (E)  $\frac{3}{4}$

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**1999 Q10**

10. 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)  $\frac{7}{12}$