

در پریناب دو تاس استاندارد، احتمال آن که حاصل ضرب دو عدد رو شده، مربع عدد اول باشد، چند است؟

51. Two standard six-sided dice numbered 1 to 6 are rolled. What is the probability that the product of the two numbers obtained is the square of a prime?

- A) 5/36
- B) 3/36
- C) 4/36
- D) 6/36
- E) 7/36

$$n(s) = 6^2 = 36$$

<u>prime number</u>		<u>square of prime</u>
2	→	4
3	→	9
5	→	25

$$A = \{ (1, 4), (2, 2), (3, 3), (4, 1), (5, 5) \} \quad n(A) = 5$$

$$p(A) = \frac{n(A)}{n(s)} = \frac{5}{36} \quad \text{the answer is A}$$