

quadri

(1,1),(1,2),(1,3),(1,4),(1,5),(1,6),
(2,1),(2,2),(2,3),(2,4),(2,5),(2,6),
(3,1),(3,2),(3,3),(3,4),(3,5),(3,6),
(4,1),(4,2),(4,3),(4,4),(4,5),(4,6),
(5,1),(5,2),(5,3),(5,4),(5,5),(5,6),
(6,1),(6,2),(6,3),(6,4),(6,5),(6,6)

1. numbers having the same face

total numbers of possible outcome = $n(s) = 6+6 = 36$

numbers having same faces = E

$E = (1,1), (2,2), (3,3), (4,4), (5,5), (6,6)$

$n(E) = 6$

$pr. = n(E)/n(s)$

$= 6/36$

$= 1/6$

2. numbers greater than 7

total numbers of possible outcome = $n(s) = 6+6 = 36$

$E = (2,6),(3,5),(3,6),(4,4),(4,5),(4,6),(5,3),(5,4),$
 $(5,5),(5,6),(6,2),(6,3),(6,4),(6,5),(6,6)$

$n(E) = 15$

$pr. = 15/36$

$= 0.4167$

3. numbers of having the first number to be even number

total numbers of possible outcome = $n(s) = 6+6 = 36$

$E = (2,1),(2,2),(2,3),(2,4),(2,5),(2,6),$
 $(4,1),(4,2),(4,3),(4,4),(4,5),(4,6),$
 $(6,1),(6,2),(6,3),(6,4),(6,5),(6,6)$

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$$n(E) = 18$$

$$pr. = 18/36$$

$$= 1/2$$

4. numbers of having the first number to be odd

$$\text{total numbers of possible outcome} = n(s) = 6+6 = 36$$

$$E = (1,1),(1,2),(1,3),(1,4),(1,5),(1,6), \\ (3,1),(3,2),(3,3),(3,4),(3,5),(3,6), \\ (5,1),(5,2),(5,3),(5,4),(5,5),(5,6)$$

$$n(E) = 18$$

$$pr. = 18/36$$

$$= 1/2$$

5. numbers less than 10

$$\text{total numbers of possible outcome} = n(s) = 6+6 = 36$$

$$E = (1,1),(1,2),(1,3),(1,4),(1,5),(1,6), \\ (2,1),(2,2),(2,3),(2,4),(2,5),(2,6), \\ (3,1),(3,2),(3,3),(3,4),(3,5),(3,6), \\ (4,1),(4,2),(4,3),(4,4),(4,5),(5,1), \\ (5,2),(5,3),(5,4),(6,1),(6,2),(6,3)$$

$$n(E) = 30$$

$$pr. = 30/36$$

$$= 0.833$$