Two way tables.

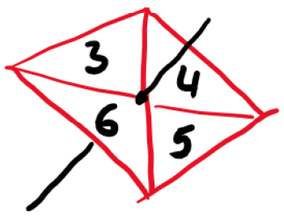
22 January 2019 14:37

Use a two way table to list the outcomes when there are two events

Q7 Pg77

① 

3 outcomes

② 

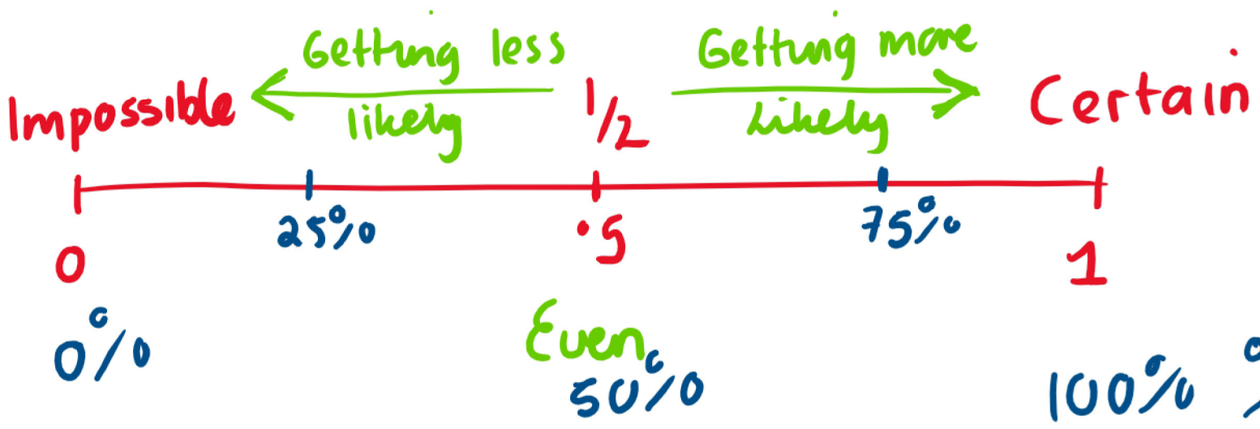
4 outcomes

Two spinners

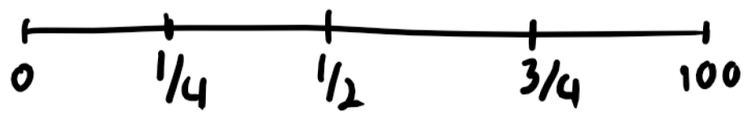
= Total
$3 \times 4 = 12$

Spinner ① \ Spinner ②	3	4	5	6
G	3G	4G	5G	6G
R	3R	4R	5R	6R
B	3B	4B	5B	6B

Probability Scale



as fractions



H/W Pg 82 Q1+2

Equally likely outcomes

Spinner 

① Red number
5, 4, 3, 2
Probability
$\frac{4}{6} = \frac{2}{3}$

② Even number
2, 4, 6
Probability
$\frac{3}{6} = \frac{1}{2}$

③ Green numbers
6, 1
Probability
$\frac{2}{6} = \frac{1}{3}$

④ 4 or more
4, 5, 6
Probability
$\frac{3}{6} = \frac{1}{2}$

⑤ Number is odd and red

(5) Number is odd and red

3, 5 Probability $\frac{2}{6} = \frac{1}{3}$

$\frac{3}{6} = \frac{1}{2}$

(6) Green and even

6 Probability $\frac{1}{6}$.

C/W Pg 86/87 Q 2+3

Calculating Probability

Probability of an event = $\frac{\text{number of favourable outcomes}}{\text{Number of possible outcomes}}$

Eg1) A fair die is thrown what is the probability of getting: 6 outcomes on a die.

(1) a four

$P(4) = \frac{1}{6}$

(2) an odd number (1, 3, 5)

$P(\text{odd no.}) = \frac{3}{6}$

$= \frac{1}{2}$

(3) 5 or 6.

$P(5 \text{ or } 6)$

$\frac{1}{6} + \frac{1}{6} = \frac{2}{6}$

$= \frac{1}{3}$

H/W Pg 90/91

Q 1 / Q2