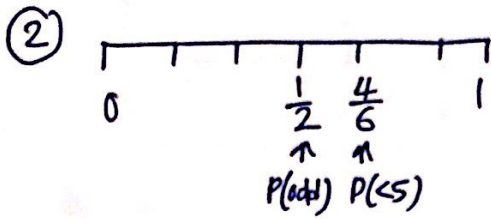


# S083 Probability

①  $\frac{338}{350}$



- ③ a) D  
 b) B  
 c) proof

- ④ a) red    yellow  
       0.4    0.4  
 b) 60

⑤ 98

- ⑥ blue    green  
       0.15    0.2

- ⑦ a) i) B  
       ii) C  
 b) No,  $\frac{1}{3} + \frac{1}{3} \neq 1$   
 c) 132

- ⑧ a) 8  
 b) even number can be split into halves

⑨ a)

	1	2	3	4	5
1	2	3	4	5	6
2	3	4	5	6	7
3	4	5	6	7	8
4	5	6	7	8	9

- b) i)  $\frac{2}{20}$   
 ii)  $\frac{14}{20}$

- ⑩ a) Mel's, greatest no. of throws  
 b)  $\frac{2}{9}$

- ⑪ a) Sharif, greatest no. of throws  
 b) No, needs to take into account everybody's throw

c)  $\frac{3}{4} \times \frac{3}{4} = \frac{9}{16}$

- ⑫ i) Maxine, more trials  
 ii)  $\frac{37}{60}$

⑬ 0.12

⑭ 0.23

⑮  $\frac{1}{81}$