	Probability L2 Mark Scheme	
1(a)	$\frac{3}{6}$	[1] Allow simplified form
1(b)	$1, 3, 5$	[1]
	$\frac{3}{6}$	[1] Allow simplified form
1(c)	$1, 4$	[1]
	$\frac{2}{6}$	[1] Allow simplified form
2(a)	$\frac{3}{20}$	[1]
2(b)	$20 - 5 - 8 - 3 = 4$ black	[1]
	$\frac{4+8}{20} = \frac{12}{20}$	[1] Allow simplified form
3(a)	$\frac{10}{6+10+4} = \frac{10}{20}$	[1] Allow simplified form
3(b)	$\frac{6+10}{20} = \frac{16}{20}$	[1] Allow simplified form
4(a)	$\frac{3}{3+4+1} = \frac{3}{8}$	[1]
4(b)	$\frac{1}{8}$	[1]
5(a)	$\frac{30}{30+10} = \frac{30}{40}$	[1] Allow simplified form
5(b)	0	[1]

6(a)	$(37-1)\div 2 = 18$	[1]
	$\frac{18}{37}$	[1]
6(b)	Probability of green on European: $\frac{1}{37}$ Probability of green on American: $\frac{2}{38}$	[1]
	No, the probability has not doubled.	[1]
6(c)	Probability of black on European: $\frac{18}{37}$ Probability of black on American: $\frac{18}{38}$	[1]
	European has a higher probability of landing on black.	[1]
7(a)	$\frac{8}{20}$	[1] Allow simplified form
7(b)	$\frac{4}{20}$	[1] Allow simplified form
8(a)	$\frac{6}{15}$	[1] Allow simplified form
8(b)	0.4	[1]
8(c)	40%	[1]
9(a)	$\frac{3}{13}$	[1]
9(b)	$\frac{1}{4}$	[1]
10(a)	0.4	[1]
10(b)	$0.6 \times 0.6 \times 0.6$	[1]
	0.216	[1]
11	$1 - 0.3 = 0.7$	[1]
	$0.7 \times 0.7 \times 0.7$	[1]
	0.343	[1]