

## Systematic Listing Past Paper Questions (MS)



Q1.

Question	Working	Answer	Mark	Notes
		SP, SR, SB, FP, FR, FB MP, MR, MB	B2 (B1)	all 9 combinations given with no extras or repeats at least 6 correct combinations given, condone repeats and incorrect combinations

Q2.

Paper 1MA1: 1F				
Question	Working	Answer	Mark	Notes
(a)		5412	B2	(B1 for any 4-digit even number using 4,5,1,2 or 5421)
(b)		45, 54, 41, 14, 42, 24, 51, 15, 52, 25, 12, 21	P1  A1	Starts to list systematically; at least 6 correct seen (ignore repeats)  Lists all 12 numbers (condone inclusion of <b>all</b> repeats 44, 55 etc)

Q3.

Question	Answer	Mark	Mark scheme	Additional guidance
	(MYL) (MLY) (YML) (YLM) (LMY) (LYM)	M1  A1	for at least 3 correct different combinations  fully correct list with no extras or repeats	for M1 ignore extras or repeats; accept words or unambiguous abbreviations

Q4.

Paper 1MA1: 1F				
Question	Working	Answer	Mark	Notes
		6	M1  A1	for starting to list combinations  cao

Q5.

Question	Working	Answer	Mark	Notes
a		$\frac{1}{4}$	M1  A1	For $\frac{x}{24}$ with $x < 24$ or $\frac{6}{y}$ with $y > 6$  for $\frac{6}{24}$ oe
b		PP PM PW MM MW WW	M1 A1	At least 3 correct combinations Fully correct list with no extras or permutations