Answers and mark guide

Q	Answer	Working	Marks
1	**x = 4, y = 1**	Add the equations to eliminate y.	3
2	**x = 5, y = −3**	Add the equations to eliminate y.	3
3	**x = 2, y = 3**	Add the equations to eliminate y.	3
4	**x = −4, y = −1**	Add the equations to eliminate y.	3
5	**x = 4, y = −4**	Add the equations to eliminate y.	3
6	**x = 1, y = 4**	Subtract the equations to eliminate y.	3
7	**x = 3, y = 7**	Subtract the equations to eliminate y.	3
8	**x = −4, y = 5**	Subtract the equations to eliminate y.	3
9	**x = 6, y = 0**	Subtract the equations to eliminate y.	3
10	**x = −2, y = 3**	Subtract the equations to eliminate y.	3
11	**x = −3, y = −2**	Multiply the equations so one pair of coefficients match, then add or subtract.	4
12	**x = −1, y = 8**	Multiply the equations so one pair of coefficients match, then add or subtract.	4
13	**x = 5, y = 5**	Multiply the equations so one pair of coefficients match, then add or subtract.	4
14	**x = 2, y = 4**	Multiply the equations so one pair of coefficients match, then add or subtract.	4
15	**x = −1, y = 0**	Multiply the equations so one pair of coefficients match, then add or subtract.	4
16	**Adult £7, child £4**	Let a, c be the prices: 2a + 3c = 26, a + 4c = 23	5
17	**£8**	3p + 2q = 30; 2p + 5q = 31	5
18	**x = −3, y = −5**	Substitute y = 2x + 1 into the second equation.	5
19	**£5**	4s + 3l = 31; 5s + 2l = 30	5
20	**6 and 4**	Let the numbers be x and y.	5

My score: _____ / **75** Questions 1–15 = 50 marks (Foundation focus)