Answers and mark guide

Q	Answer	Working	Marks
1	**y = 8x**	y = kx; k = 40 ÷ 5	3
2	**y = 7x**	y = kx; k = 28 ÷ 4	3
3	**y = 2x**	y = kx; k = 10 ÷ 5	3
4	**y = 8x**	y = kx; k = 16 ÷ 2	3
5	**y = 5x**	y = kx; k = 10 ÷ 2	3
6	**36**	y = 4x	3
7	**90**	y = 9x	3
8	**32**	y = 4x	3
9	**42**	y = 6x	3
10	**90**	y = 9x	3
11	**15**	y = 180/x	4
12	**y = 32/x**	xy = constant	4
13	**196**	$y = 4x^2$	4
14	**8**	$y = 72/x^2$	5
15	**20**	$y = 4\sqrt{x}$	5
16	**12 days**	6 × 8 = 48 worker-days	4
17	**10 cm**	4 ÷ 10 = 0.4 cm per N	4
18	**7 hours 30 minutes**	t = 60/n	5
19	**78.5 cm²**	28.3 ÷ 9 × 25	5
20	**12**	y = 60/x	5

My score: _____ / 75 Questions 1–15 = 52 marks (Foundation focus)