Answers and mark guide

Q	Answer	Working	Marks
1	**20 km**	Read from the graph.	1
2	**30**	The flat part of the graph.	2
3	**55 km**	End of the graph.	1
4	**120 minutes**	The final time.	1
5	**40 minutes**	Where the graph becomes horizontal.	2
6	**30 km/h**	30 ÷ 1	3
7	**20 km/h**	20 ÷ 1	3
8	**22.0 km/h**	55 ÷ 2.50	4
9	**The first part**	60 km/h compared with 30 km/h	3
10	**0.50 km per minute (the speed)**	20 ÷ 40	3
11	**0 km**	20 vs 20	3
12	**16.7%**	20/120 × 100	4
13	**78 km/h**	65 ÷ 0.833	4
14	**The line is horizontal**	Distance does not change as time passes.	2
15	**26.6667 km**	40 × 0.666667	4
16	**20 km/h (A: 80 km/h, B: 60 km/h)**	60 ÷ 0.75 = 80; 60 ÷ 1 = 60	5
17	**60 km/h**	Total distance 240 km; total time 2.5 + 1.5 = 4 hours	5
18	**100 litres**	40 ÷ 10 = 4 litres per minute	4
19	**48 km/h**	0.8 × 60	4
20	**60 km/h**	90 ÷ 1.5	3

My score: _____ / 61 Questions 1–15 = 40 marks (Foundation focus)