	Length E3 Mark Scheme	
1(a)	0.25 m	[1]
1(b)	0.38 m	[1]
1(c)	0.62 m	[1]
1(d)	0.44 m	[1]
1(e)	1.97 m	[1]
1(f)	6.14 m	[1]
1(g)	0.5 m	[1]
1(h)	7.2 m	[1]
1(i)	13.46 m	[1]
1(j)	70 m	[1]
2(a)	322 cm	[1]
2(b)	114 cm	[1]
2(c)	846 cm	[1]
2(d)	677 cm	[1]
2(e)	190 cm	[1]
2(f)	74 cm	[1]
2(g)	15 cm	[1]
2(h)	30 cm	[1]
2(i)	1299 cm	[1]
2(j)	3600 cm	[1]

3(a)	1.126 km	[1]
3(b)	3.257 km	[1]
3(c)	2.164 km	[1]
3(d)	9.333 km	[1]
3(e)	0.933 km	[1]
3(f)	16.425 km	[1]
3(g)	117.194 km	[1]
3(h)	0.21 km	[1]
3(i)	3.3 km	[1]
3(j)	0.355 km	[1]
4(a)	3114 m	[1]
4(b)	2687 m	[1]
4(c)	7228 m	[1]
4(d)	6290 m	[1]
4(e)	1300 m	[1]
4(f)	997 m	[1]
4(g)	244 m	[1]
4(h)	300 m	[1]
4(i)	9000 m	[1]
4(j)	121319 m	[1]

5(a)	Ellie, Parth and Saul can go on the ride.	[1]
	Alice and Arianna cannot go on the ride.	[1]
5(b)	Parth cannot enter the play area.	[1]
	Ellie, Alice, Saul and Arianna can enter the play area.	[1]
6	He cannot buy A, B and E	[1]
	He can buy C and D	[1]
7(a)	12.9 m	[1]
7(b)	60 cm	[1]
7(c)	12.9 km	[1]
7(d)	3.3 m = 330 cm **or** 21 cm = 0.21 m	[1]
	$330 + 21 = 351$ cm **or** $3.3 + 0.21 = 3.51$ m	[1]
	351 cm **or** 3.51 m	[1]
8	$2.5 + 3 + 0.8 = 6.3$ m	[1]
	Jack has enough fence.	[1]
9	Identifying Bob as tallest and Nish as shortest.	[1]
	Bob, Aisling, Mark, Sally, Nish	[1] Accept reverse order.
10(a)	$14 + 7 = 21$ miles	[1]
10(b)	$14 + 21 = 35$ miles via York	[1]
	$7 + 33 = 40$ miles via Harrogate	[1]
11	50 cm = 0.5 m, 1450 cm = 14.5 m	[1] Or all values converted to cm
	10 m, 2×2 m, 0.5 m	[1]
	$1.99 + 2 \times 3.99 + 12.99 = £22.96$	[1]
	$50 - 22.96 = £27.04$	[1]