

Unit Conversions L2 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]
2(a)	5000 cm	[1]
2(b)	720 cm	[1]
2(c)	198 cm	[1]
2(d)	45500 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]
4(a)	294 m	[1]
4(b)	15000 m	[1]
4(c)	13 m	[1]
4(d)	3550000 m	[1]
5(a)	10 mm	[1]
5(b)	58 mm	[1]
5(c)	2400 mm	[1]
5(d)	481 mm	[1]
5(e)	1233 mm	[1]

6(a)	6.2 cm	[1]
6(b)	19 cm	[1]
6(c)	99.3 cm	[1]
6(d)	1000 cm	[1]
7(a)	$3 \times 9 = 27 \text{ m}^2$	[1]
7(b)	3 m = 300 cm; 9 m = 900 cm	[1]
	$300 \times 900 = 270000 \text{ cm}^2$	[1]
7(c)	$270000 \div 3600 (= 75)$	[1] Allow ecf from part (b)
	75 paving slabs	[1] Allow ecf from part (b)
8(a)	2 kg	[1]
8(b)	0.038 kg	[1]
8(c)	0.3 kg	[1]
8(d)	0.616 kg	[1]
8(e)	21.119 kg	[1]
9(a)	4000 g	[1]
9(b)	900 g	[1]
9(c)	208000 g	[1]
9(d)	31256 g	[1]
10(a)	$95.3 - 76.2 (= 19.1)$ or $95.3 \text{ kg} = 95300 \text{ g}$, $76.2 \text{ kg} = 76200 \text{ g}$	[1]
	$19.1 \text{ kg} = 19100 \text{ g}$ or $95300 - 76200 = 19100 \text{ g}$	[1]
10(b)	$500 \text{ g} = 0.5 \text{ kg}$	[1]
	$82.4 + 0.5 = 82.9 \text{ kg}$	[1]
10(c)	$2500 \text{ g} = 2.5 \text{ kg}$	[1]
	Upper limit = $75 + 2.5 = 77.5 \text{ kg}$; Lower limit = $75 - 2.5 = 72.5 \text{ kg}$	[1]
	Alice and Caroline are eligible.	[1]

11(a)	3 L	[1]
11(b)	0.124 L	[1]
11(c)	4.2 L	[1]
11(d)	0.019 L	[1]
11(e)	19.526 L	[1]
12(a)	500 ml	[1]
12(b)	49000 ml	[1]
12(c)	814 ml	[1]
12(d)	16520 ml	[1]
13(a)	200 p	[1]
13(b)	129 p	[1]
13(c)	24 p	[1]
13(d)	3168 p	[1]
13(e)	112999 p	[1]
14(a)	£1.08	[1]
14(b)	£40.00	[1]
14(c)	£0.29	[1]
14(d)	£11.38	[1]
15(a)	£1.55	[1]
15(b)	$68 \times 2 = 136 \text{ p}$ or $68 \text{ p} = £0.68$	[1]
	$136 \text{ p} = £1.36$ or $0.68 \times 2 = £1.36$	[1]
15(c)	$23 \times 5 = 115 \text{ p}$ or $23 \text{ p} = £0.23$	[1]
	$115 \text{ p} = £1.15$ or $0.23 \times 5 = £1.15$	[1]
15(d)	$560 \text{ p} = £5.60$ or $£6.90 = 690 \text{ p}$	[1]
	Beef because $560 \text{ p} / £5.60$ is less than $690 \text{ p} / £6.90$	[1]

16(a)	2.2 lb	[1]
16(b)	13.2 lb	[1]
16(c)	4.4 lb	[1]
16(d)	22 lb	[1]
16(e)	77 lb	[1]
17(a)	30 cm	[1]
17(b)	240 cm	[1]
17(c)	630 cm	[1]
17(d)	105 cm	[1]
18(a)	4.5 L	[1]
18(b)	22.5 L	[1]
18(c)	40.5 L	[1]
18(d)	135 L	[1]
18(e)	85.5 L	[1]
19(a)	8 km	[1]
19(b)	44.8 km	[1]
19(c)	70.4 km	[1]
19(d)	5.76 km	[1]
20(a)	$5 \times 28 = 140$ g flour	[1]
	$3 \times 28 = 84$ g sugar	[1]
	$4 \times 28 = 112$ g butter	[1]
20(b)	$568 \div 2 = 284$ ml	[1]
20(c)	$0.9 \times 1.6 = 1.44$ km	[1]
20(d)	$2.5 \div 4 = 0.625$ cm	[1]