

Best Buys L2 Mark Scheme		
1(a)	$9.00 \div 10 = \text{£}0.90$	[1]
1(b)	$3.60 \div 6 = \text{£}0.60$	[1]
1(c)	$18.00 \div 24 = \text{£}0.75$	[1]
1(d)	$4.00 \div 200 = \text{£}0.02$	[1]
1(e)	$2.50 \div 5 = \text{£}0.50$	[1]
1(f)	$3.30 \div 22 = \text{£}0.15$	[1]
1(g)	$2.10 \div 14 = \text{£}0.15$	[1]
1(h)	$2.00 \div 4 = \text{£}0.50$	[1]
1(i)	$1.50 \div 6 = \text{£}0.25$	[1]
1(j)	$\text{£}2.24 \div 8 = \text{£}0.28$	[1]
2(a)	$2.40 \div 6 = \text{£}0.40$	[1]
2(b)	$3.60 \div 4 = \text{£}0.90$	[1]
2(c)	$2.80 \div 4 = \text{£}0.70$	[1]
2(d)	$2.56 \div 16 = \text{£}0.16$	[1]
3(a)	$3.00 \div 5 = \text{£}0.60$	[1]
3(b)	$2.40 \div 1.2 = \text{£}2.00$	[1]
3(c)	$6.00 \div 30 = \text{£}0.20$	[1]
3(d)	$0.35 \div 0.5 = \text{£}0.70$	[1]
3(e)	$0.45 \div 1.5 = \text{£}0.30$	[1]
3(f)	$12.00 \div 15 = \text{£}0.80$	[1]
3(g)	$2.10 \div 14 = \text{£}0.15$	[1]
3(h)	$7.00 \div 50 = \text{£}0.14$	[1]
3(i)	$3.00 \div 6 = \text{£}0.50$	[1]
3(j)	$\text{£}1.50 \div 15 = \text{£}0.10$	[1]
4(a)	$4.80 \div 12 = \text{£}0.40$	[1]
4(b)	$3.00 \div 6 = \text{£}0.50$	[1]
4(c)	$9.00 \div 36 = \text{£}0.25$	[1]
4(d)	$7.20 \div 24 = \text{£}0.30$	[1]

5(a)	$4.50 \div 3 = 1.50, 2.25 \div 1.5 = 1.50$	[1]
	$2.40 \div 2 = 1.20, 2.31 \div 1.75 = 1.32$	[1]
	2 L for £2.40	[1]
5(b)	$0.50 \div 2.5 = 0.20, 0.75 \div 5 = 0.15$	[1]
	$0.66 \div 3.3 = 0.20, 1.05 \div 7.5 = 0.14$	[1]
	750 ml for £1.05	[1]
5(c)	$1.00 \div 1 = 1.00, 1.25 \div 1.25 = 1.00$	[1]
	$1.50 \div 2 = 0.75, 2.00 \div 2.5 = 0.80$	[1]
	2 L for £1.50	[1]
6(a)	$1.00 \div 1 = 1.00, 1.50 \div 2 = 0.75, 2.00 \div 4 = 0.50$	[1]
	4 L for £2.00	[1]
6(b)	$5.00 \div 1 = 5.00, 9.00 \div 2 = 4.50, 23.00 \div 5 = 4.60$	[1]
	200 g for £9.00	[1]
6(c)	$0.50 \div 1 = 0.50, 2.00 \div 5 = 0.40, 5.00 \div 10 = 0.50$	[1]
	500 ml for £2.00	[1]
6(d)	$0.35 \div 0.5 = 0.70, 0.70 \div 1 = 0.70, 1.30 \div 2 = 0.65$	[1]
	200 g for £1.30	[1]
6(e)	$0.79 \div 1 = 0.79, 1.38 \div 2 = 0.69, 1.77 \div 3 = 0.59$	[1]
	3 for £1.77	[1]
6(f)	$1500 \div 1000 = 1.50, 2000 \div 2000 = 1, 3300 \div 3000 = 1.10$	[1]
	2000 L for £2000	[1]
6(g)	$2.00 \div 10 = 0.20, 2.10 \div 14 = 0.15, 2.56 \div 16 = 0.16$	[1]
	14 slices for £2.10	[1]
6(h)	$0.70 \div 1 = 0.70, 2.50 \div 4 = 0.625, 7.00 \div 10 = 0.70$	[1]
	2000 g for £2.50	[1]
6(i)	$3.76 \div 4 = 0.94, 4.75 \div 5 = 0.95, 5.76 \div 6 = 0.96$	[1]
	4 for £3.76	[1]
6(j)	$0.82 \div 1 = 0.82, 1.30 \div 2 = 0.65, 2.00 \div 4 = 0.50$	[1]
	2272 ml for £2.00	[1]

7(a)	$1.00 \div 5 = \text{£}0.20$ or $1.90 \div 10 = \text{£}0.19$ or $3.60 \div 20 = \text{£}0.18$	[1] 1 calculation correct
	$1.00 \div 5 = \text{£}0.20$ and $1.90 \div 10 = \text{£}0.19$ and $3.60 \div 20 = \text{£}0.18$	[1] all calculations correct
7(b)	2 kg for £3.60	[1]
7(c)	2 kg + 0.5 kg	[1]
	$3.60 + 1.00 = \text{£}4.60$	[1]
7(d)	$4 \div 2 (= 2)$	[1]
	$0.75 \times 2 = 1.5$ kg	[1]
7(e)	1 kg + 0.5 kg	[1]
	$1.90 + 1.00 = \text{£}2.90$	[1]
8(a)	$1.00 \div 1 (= 1.00)$, $1.50 \div 2 (= 0.75)$, $2.10 \div 3 (= 0.70)$	[1]
	3 L + 2 L	[1]
8(b)	$0.50 \div 1 (= 0.50)$, $0.90 \div 2 (= 0.45)$, $2.00 \div 4 (= 0.50)$	[1]
	200 g + 200 g + 200 g + 100 g	[1]
8(c)	$5.00 \div 1 (= 5.00)$, $12.00 \div 4 (= 3.00)$, $15.40 \div 7 (= 2.20)$	[1]
	700 ml + 700 ml + 100 ml	[1]
8(d)	$0.75 \div 5 (= 0.15)$, $1.70 \div 10 (= 0.17)$, $2.10 \div 15 (= 0.14)$	[1]
	1500 g + 500 g	[1]
8(e)	$0.29 \div 1 (= 0.29)$, $0.48 \div 2 (= 0.24)$, $0.57 \div 3 (= 0.19)$	[1]
	3 + 3 + 1	[1]
8(f)	$15000 \div 100 (= 150)$, $20000 \div 200 (= 100)$, $33000 \div 300 (= 110)$	[1]
	200 + 200 + 200 + 300	[1]
8(g)	$0.30 \div 1 (= 0.30)$, $4.06 \div 14 (= 0.29)$, $5.20 \div 26 (= 0.20)$	[1]
	26 + 1 + 1 + 1 + 1 + 1	[1]
8(h)	$0.70 \div 5 (= 0.14)$, $2.50 \div 20 (= 0.125)$, $7.00 \div 50 (= 0.14)$	[1]
	2000 + 2000 + 2000 + 500 + 500 + 500	[1]
8(i)	$37.60 \div 8 (= 4.70)$, $47.50 \div 10 (= 4.75)$, $57.60 \div 12 (= 4.80)$	[1]
	8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8	[1]
8(j)	$1.00 \div 1 (= 1.00)$, $1.90 \div 2 (= 0.95)$, $3.70 \div 4 (= 0.925)$	[1]
	2272 + 1136	[1]

9(a)	$2.50 \div 5 = \text{£}0.50$ or $8.00 \div 20 = \text{£}0.40$ or $0.90 \div 2 = \text{£}0.45$	[1] 1 calculation correct
	$2.50 \div 5 = \text{£}0.50$ and $8.00 \div 20 = \text{£}0.40$ and $0.90 \div 2 = \text{£}0.45$	[1] all calculations correct
9(b)	Package B	[1]
9(c)	$1.50 \div 5 = \text{£}0.30$	[1]
9(d)	Yes	[1] ft their answer to (c)
10(a)	$20.00 \times 0.5 (= 10.00)$	[1]
	$10.00 \div 50 (= 0.20)$, $10.50 \div 35 (= 0.30)$, $8.00 \div 25 (= 0.32)$	[1]
	A is the best buy.	[1]
10(b)	$3.00 \times 0.7 (= 2.10)$	[1]
	$1.00 \div 1 (= 1.00)$, $2.10 \div 2 (= 1.05)$, $4.40 \div 4 (= 1.10)$	[1]
	A is the best buy.	[1]
10(c)	$20.00 \times 0.75 (= 15.00)$	[1]
	$8.00 \div 80 (= 0.10)$, $15.00 \div 120 (= 0.125)$, $6.00 \div 40 (= 0.15)$	[1]
	A is the best buy.	[1]
10(d)	$12.00 \times 0.6 (= 7.20)$	[1]
	$5.00 \div 4 (= 1.25)$, $2.50 \div 2 (= 1.25)$, $7.20 \div 6 (= 1.20)$	[1]
	C is the best buy.	[1]
10(e)	$1.70 \times 0.5 (= 0.85)$	[1]
	$0.85 \div 1 (= 0.85)$, $2.40 \div 2 (= 1.20)$, $3.10 \div 4 (= 0.775)$	[1]
	C is the best buy.	[1]
10(f)	$8.00 \times 0.9 (= 7.20)$	[1]
	$3.00 \div 5 (= 0.60)$, $7.20 \div 10 (= 0.72)$, $6.00 \div 7.5 (= 0.80)$	[1]
	A is the best buy.	[1]

11(a)	$2.20 \times 1 = \text{£}2.20$ with Harrogate Taxis	[1]
	$1.80 + 3.00 = \text{£}4.80$ with Station Cars	[1]
	$2.00 + 1 \times 1.80 = \text{£}3.80$ with Speedway's Taxi Rank	[1]
11(b)	$1.80 + 3.00 + 1.60 \times 4 (= 11.20)$	[1]
	£11.20	[1]
11(c)	$2.20 \times 5 (= 11.00)$	[1]
	11.00 is less than 11.20	[1]
	Yes	[1]
11(d)	$2.20 \times 3 = \text{£}6.60$ with Harrogate Taxis	[1]
	$1.80 + 3.00 + 2 \times 1.60 = \text{£}8.00$ with Station Cars	[1]
	$2.00 + 3 \times 1.80 = \text{£}7.40$ with Speedway's Taxi Rank	[1]
	Harrogate Taxis is best.	[1]
11(e)	$2.20 \times 20 = \text{£}44.00$ with Harrogate Taxis	[1]
	$1.80 + 3.00 + 19 \times 1.60 = \text{£}35.20$ with Station Cars	[1]
	$2.00 + 20 \times 1.80 = \text{£}38.00$ with Speedway's Taxi Rank	[1]
	No because Station Cars is best.	[1] ft their working
12	$60000 \times 0.9 (= 54000)$	[1]
	A: $5000 \div 100 = \text{£}50$ B: $16000 \div 400 = \text{£}40$ C: $54000 \div 1000 = \text{£}54$	[1]
	Buy B + B + B + B + A	[1]
	a: $1.00 \times 1700 = \text{£}1700.00$ b: $200.00 + 0.80 \times 1700 = \text{£}1560.00$ c: $150.00 + 0.01 \times 1700 \times 60 = \text{£}1170.00$	[1]
	Best option for delivery is c.	[1]