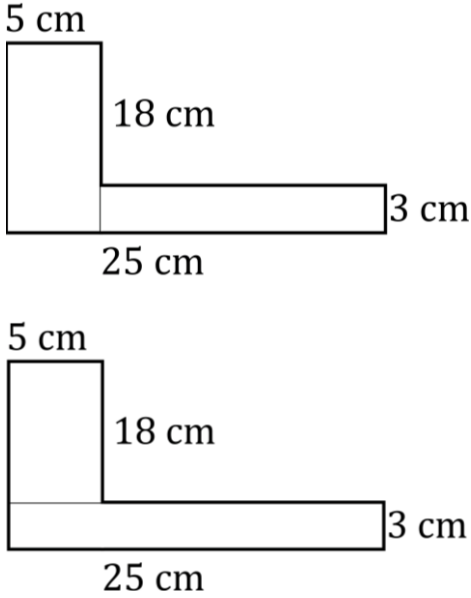


Area L2 Mark Scheme		
1(a)	$5 \times 5 (= 25)$	[1]
	25 cm ²	[1]
1(b)	$2 \times 2 (= 4)$	[1]
	4 cm ²	[1]
1(c)	$8 \times 8 (= 64)$	[1]
	64 cm ²	[1]
2(a)	$100 \times 100 (= 10000)$	[1]
	10000 m ²	[1]
2(b)	$200 \times 200 (= 40000)$	[1]
	$40000 \div 10000 (= 4)$	[1]
	4 hectares	[1]
3(a)	$4 \times 3 (= 12)$	[1]
	12 cm ²	[1]
3(b)	$9 \times 5 (= 45)$	[1]
	45 cm ²	[1]
3(c)	$40 \times 26 (= 1040)$	[1]
	1040 cm ²	[1]
4(a)	$100 \times 6 (= 600)$	[1]
	$600 \div 25 (= 24)$	[1]
	24 sheep	[1]
4(b)	$40 \times 26 (= 1040)$	[1]
	$1040 \div 25 (= 41.6)$	[1]
	41 sheep	[1]

5(a)		[1] Both required
5(b)	$5 \times 21 (= 105)$ or $5 \times 18 (= 90)$ $3 \times 20 (= 60)$ or $3 \times 25 (= 75)$	[1] Allow alternate method
	$105 + 60 (= 165)$ or $90 + 75 (= 165)$	[1] Allow alternate method
	165 cm^2	[1]
6(a)	$9 - 5 = 4 \text{ cm}$	[1] Allow alternate method
	$(2 \times 4) + (7 \times 5) (= 43)$	[1] Allow alternate method
	43 cm^2	[1]
6(b)	$14 - 10 = 4 \text{ mm}$	[1] Allow alternate method
	$(10 \times 10) + (4 \times 7) (= 128)$	[1] Allow alternate method
	128 mm^2	[1]
6(c)	$12 - 9 = 3 \text{ cm}$	[1] Allow alternate method
	$(7 \times 12) + (11 \times 3) (= 117)$	[1] Allow alternate method
	117 cm^2	[1]

7(a)	$23 \times 25 (= 575)$ $3 \times 5 (= 15)$	[1] Allow alternate method
	$575 + 15 (= 590)$	[1] Allow alternate method
	590 cm^2	[1]
7(b)	$5 \times 18 (= 90)$ $12 \times 15 (= 180)$	[1] Allow alternate method
	$90 + 180 (= 270)$	[1] Allow alternate method
	270 cm^2	[1]
7(c)	$6 \times 6 (= 36)$ $18 \times 12 (= 216)$	[1] Allow alternate method
	$36 + 216 (= 252)$	[1] Allow alternate method
	252 m^2	[1]
8(a)	$2 \times 2 (= 4)$	[1]
	4 cm^2	[1]
8(b)	$2 \times 1 \times 3 (= 6)$	[1]
	6 cm^2	[1]
8(c)	$2.99 \times 6 (= 17.94)$	[1]
	$20.00 - 17.94 (= 2.06)$	[1]
	£2.06	[1]
9(a)	$15 \times 15 (= 225)$	[1]
	225 mm^2	[1]
9(b)	$8 \times 2 (= 16)$	[1]
	16 mm^2	[1]
9(c)	$225 + 3 \times 16 (= 273)$	[1]
	273 mm^2	[1]

10(a)	$0.5 \times 1 \times 0.866 (= 0.433)$	[1]
	0.433 cm^2	[1]
10(b)	$0.5 \times 2 \times 1.732 (= 1.732)$	[1]
	1.732 cm^2	[1]
10(c)	$0.5 \times 40 \times 34.6 (= 692)$	[1]
	692 m^2	[1]
11(a)	$0.5 \times 3 \times 1 (= 1.5)$	[1]
	1.5 cm^2	[1]
11(b)	$0.5 \times 28 \times 33 (= 462)$	[1]
	462 cm^2	[1]
11(c)	$0.5 \times 30 \times 150 (= 2250)$	[1]
	2250 m^2	[1]
12(a)	$8 \times 1 (= 8)$	[1]
	$0.5 \times 1 \times 2 (= 1)$	[1]
	$8 + 1 (= 9)$	[1]
	9 m^2	[1]
12(b)	$1 \times 9 (= 9)$	[1]
	$0.5 \times 9 \times 12 (= 54)$ $0.5 \times 1 \times 2 (= 1)$	[1]
	$9 + 54 + 1 (= 64)$	[1]
	64 mm^2	[1]
12(c)	$6 \times 6 (= 36)$	[1]
	$2 \times (0.5 \times 3.14 \times 3^2) (= 28.26)$	[1]
	$36 + 28.26 (= 64.26)$	[1]
	64.26 cm^2	[1]