	Perimeter L2 Mark Scheme	
1(a)	$5 \times 4 \ (= 20)$	[1]
	20 cm	[1]
1(b)	$2 \times 4 \ (= 8)$	[1]
	8 cm	[1]
1(c)	$8 \times 4 \ (= 32)$	[1]
	32 cm	[1]
1(d)	$1 \times 4 \ (= 4)$	[1]
	4 cm	[1]
2(a)	$2 \times (3 + 4) \ (= 14)$	[1]
	14 cm	[1]
2(b)	$2 \times (5 + 9) \ (= 28)$	[1]
	28 cm	[1]
2(c)	$2 \times (1 + 2) \ (= 6)$	[1]
	6 cm	[1]
2(d)	$2 \times (12 + 16) \ (= 56)$	[1]
	56 cm	[1]
3(a)	$1 \times 3 \ (= 3)$	[1]
	3 cm	[1]
3(b)	$5 \times 3 \ (= 15)$	[1]
	15 cm	[1]
3(c)	$15 \times 3 \ (= 45)$	[1]
	45 cm	[1]
3(d)	$29 \times 3 \ (= 87)$	[1]
	87 cm	[1]

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4(a)	$8 + 24 + 24 \ (= 56)$	[1]
	56 cm	[1]
4(b)	$4 + 9 + 9 \ (= 22)$	[1]
	22 cm	[1]
4(c)	$9 + 39 + 39 \ (= 87)$	[1]
	87 cm	[1]
4(d)	$1 + 3 + 3 \ (= 7)$	[1]
	7 cm	[1]
5(a)	$51 + 68 + 17 \ (= 136)$	[1]
	136 cm	[1]
5(b)	$2 + 1 + 3 \ (= 6)$	[1]
	6 cm	[1]
5(c)	$59 + 120 + 148 \ (= 327)$	[1]
	327 m	[1]
5(d)	$1.6 + 0.4 + 1.1 \ (= 3.1)$	[1]
	3.1 cm	[1]
6(a)	$1 + 2 + 18 + 20 \ (= 41)$	[1]
	41 cm	[1]
6(b)	$5 + 9 + 5 + 9 \ (= 28)$	[1]
	28 cm	[1]
6(c)	$1 + 2 + 3 + 4 \ (= 10)$	[1]
	10 cm	[1]
6(d)	$30 + 33 + 34 + 39 \ (= 136)$	[1]
	136 m	[1]

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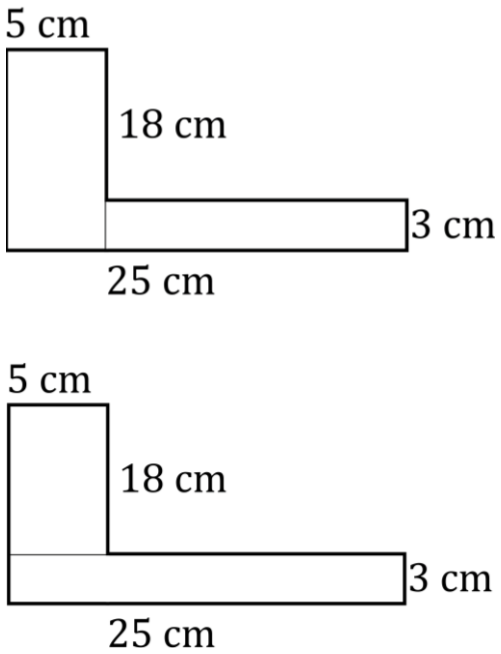
7(a)		[1] Both required
7(b)	$25 - 5\ (= 20)$ $18 + 3\ (= 21)$	[1]
	$5 + 18 + 20 + 3 + 25 + 21\ (= 92)$	[1]
	92 cm	[1]
8(a)	3 cm $= 30$ mm **or** 9 mm $= 0.9$ cm and 11 mm $= 1.1$ cm	[1]
8(b)	Label correct side as 30 mm **or** 3 cm Label correct side as 11 mm **or** 1.1 cm	[1]
	$30 + 30 + 11 + 11 + 9\ (= 91)$ **or** $3 + 3 + 1.1 + 1.1 + 0.9\ (= 9.1)$	[1]
	91 mm **or** 9.1 cm	[1]
9	Length of one side of big square $= 28 \div 4 = 7$ cm Length of other side $= 7 - 3 = 4$ cm	[1]
	$7 + 7 + 4 + 4 + 3 + 3\ (= 28)$	[1]
	28 cm	[1]

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10(a)	$0.5 \times \pi \times 18 = 0.5 \times 3.14 \times 18 \ (= 28.26)$	[1]
	$28.26 + 18 \ (= 46.26)$	[1]
	46.26 cm	[1]
10(b)	$0.75 \times 2 \times \pi \times 3 = 0.75 \times 2 \times 3.14 \times 3 \ (= 14.13)$	[1]
	$14.13 + 3 + 3 \ (= 20.13)$	[1]
	20.13 cm	[1]
10(c)	$0.5 \times \pi \times 84 = 0.5 \times 3.14 \times 84 \ (= 131.88)$	[1]
	$131.88 + 84 \ (= 215.88)$	[1]
	215.88 cm	[1]
10(d)	$0.25 \times 2 \times \pi \times 22 = 0.25 \times 2 \times 3.14 \times 22 \ (= 34.54)$	[1]
	$34.54 + 22 + 22 \ (= 78.54)$	[1]
	78.54 m	[1]
11(a)	$5 + 5 + 15 + 15 \ (= 40)$	[1]
	40 cm	[1]
11(b)	$0.5 \times \pi \times 5 = 0.5 \times 3.14 \times 5 \ (= 7.85)$	[1]
	$7.85 + 5 + 15 + 15 \ (= 42.85)$	[1]
	42.85 cm	[1]
Q12	$0.5 \times \pi \times 8 = 0.5 \times 3.14 \times 8 \ (= 12.56)$	[1]
	$12.56 + 12.5 + 8 + 14 + 14 \ (= 61.06)$	[1]
	61.06 m	[1]

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