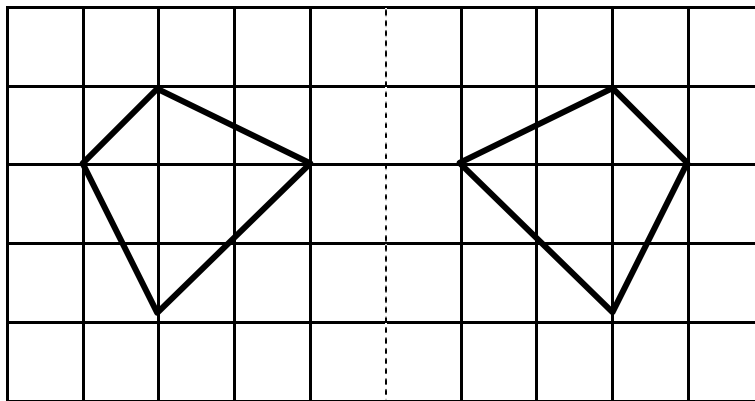1   (a)   4756, 6164, 6390, 8129   A1

      (b)   1634   A1

      (c)   5136   A1

      (d)   4623   A1

      (e)   3834   A1

      (f)   7845   A1   6 marks

2   (a)   (i)   Rhombus   A1

             (ii)   Isosceles   A1

      (b)   (i)   Trapezium   A1

             (ii)   Parallelogram   A1

             (iii)   Rectangle   A1

      (c)

          correct shape drawn   A1

          correct positioning of shape   A1   7 marks

3   (a)   Tuesday   A1

      (b)   6mm   A1

      (c)   5mm   A1

      (d)   6   A1

      (e) $1 + 3 + 2 + 5 + 3 + 4 + 2$ M1

          20   A1

      (f)   3/7   A1

      (g)   4/7   A1   8 marks

4   (a) $241 \div 5 = 5.35\ldots \rightarrow$ 6 coaches   A1

      (b) $241 - (2 \times 55) = 131$ M1

          $2 + 3$ more = 5 coaches   A1

      (c) $(£8.50 \times 241) - £12.15 - £988.00$ M1

          £1048.35   A1   5 marks

5   (a)

                                                        A1

      (b)   3   A1

      (c)   19   A1

      (d)   8   A2   5 marks

6	(a)	9		A1	
	(b)	32/8 = 4		M1	
		£2.50 × 4 = £10.00		A1	
	(c)	40/5		M1	
		8		A1	5 marks
7	(a)	15 min		A1	
	(b)	4 × 15 / 60		M1	
		1km		A1	
	(c)	1/3 × 60 = 20		M1	
		20 minutes before 14:15		M1	
		13:55		A1	6 marks
8	(a)	(3.5 × 12) + 35		M1	
		77p		A1	
	(b)	86p – 35p = 51p		M1	
		51p / 12		M1	
		4.25km		A1	
	(c)	35p		A1	6 marks
9	(a)	correct ladder height (5cm ± 1mm)		A1	
		correct angle (70° ± 1°)		A1	
	(b)	i) 1.8cm ± 1mm		A1	
		ii) 90cm		A1ft	4 marks
10	(a)	5 × 4 × 3		M1	
		60cm^3		A1	
	(b)	5 × 4		M1	
		20cm^2 (1 mark for any face with working)		A1	4 marks
11	(a)	(i) Rotation		A1	
		¼ turn anticlockwise or ¾ turn clockwise, about origin		A1	
		(ii) Enlargement		A1	
		Scale factor 3, from origin		A1	
	(b)	2.8 × ½ × (4.6 + 3.2)		M2	
		10.92cm^2		A1	7 marks
12	(a)	65 / 2 = 32.5 119 / 4 = 29.75 or equivalent		M1	
		29.75 < 32.5		M1	
		4 pints		A1	
	(b)	45 / 250 = 0.18 160 / 1000 = 0.16 or equivalent		M2	
		0.16 < 0.18		M1	
		1kg bag		A1	
	(c)	£800 × 14% = £112		M1	
		£800 – £112		M1	
		£688		A1	10 marks
13	(a)	450x + 650y		A2	
	(b)	6x = 24		M1	
		x = 4		A1	
	(c)	(i) $y = 2x + 5$		A1	
		(ii) $y = 11$		A1	
		(iii) $2x = 12$		M1	
		$x = 6$		A1	8 marks

14	(a)	21.554582…(69)	A1	
	(b)	4.213919(82)	A1	
	(c)	9.6 / 3.77	M1	
		2.5464190…(98)	A1	
	(d)	7.264	A1	5 marks

15	(a)	(63 / 360) × 120	M1	
		21	A1	
	(b)	calculating angles in degrees (114, 78, 54, 66, 48)	M1	
		three or more sectors drawn correctly	A1	
		labelling of sectors	A1	5 marks

16 (a)

Side   Front
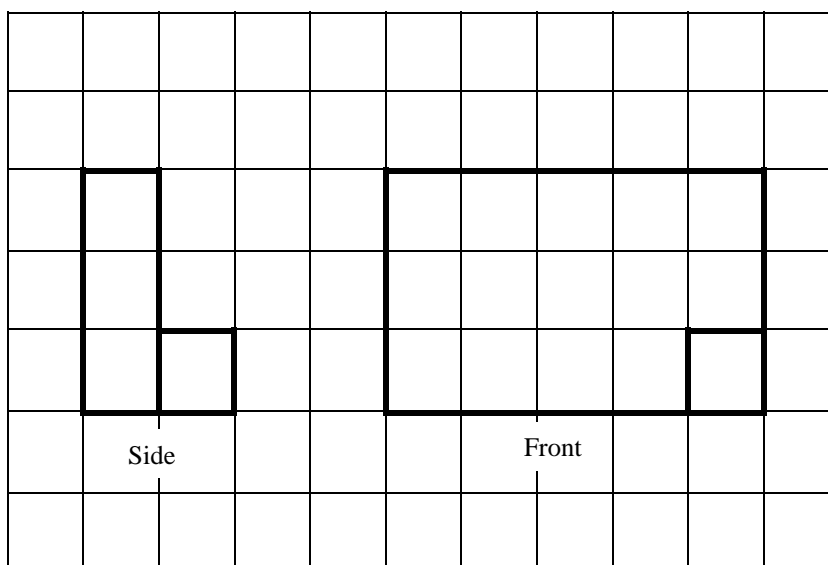
		Each elevation perimeter drawn correctly	A1A1	
		extra square of both elevations drawn correctly	A1	
	(b)	(5 × 3) + 1	M1	
		16cm^3	A1	5 marks

17	(a)	60	A1	
	(b)	48	A1	
	(c)	48/60×100 = 80%	A1	
	(d)	12/60 =1/5	A1	4 marks

Total: 100 marks