Terminal Unit Foundation Tier Section A

Q		Answer	Mark	Notes
1	(a)(i)	West, W	W1	
	(ii)	hospital	W1	**sc1** (i) E (ii) the railway/station
	(b)	SW	W1	acc south west, south,west
	(c)	right, r	W1	
		Quay Street	W1	Quay St
			5	
2	(a)(i)	10 47	W1	acc equivalent time forms throughout
	(ii)	2 (hours) 35	W1	**sc1** (i) 16 43 (ii) 8 (h) 31 (min)
	(b)	18 19	W1	6 19, 6 19 pm *not* 6h 19min
	(c)	27	W5	3 or 6 child singles **M1** 75 *or* 3×25 (implied by 115, 230, 150)
				3 child returns **M1** 144 *or* 3×48 (implied by 203)
				3 child + 1 adult - either **M1** 115 *or* 230 *or* 203 seen
				M1 *their* totals: subtraction shown & attempted
				or subtraction implied & correct
				A1 27
			8	
3	(a)	32, 48	W1	both; any order
	(b)	18, 10	W1	both
	(c)	48	W1	
	(d)	18	W1	
	(e)	10, 80	W1	both; any order
	(f)	16	W1	
	(g)	32	W1	
	(h)	48	W1	
			8	

Q		Answer	Mark	Notes
4	(a)	Brown Girl (in the ring)	W1	*or* Boney M <u>and</u> figs 1.99 (clear indication)
	(b)	4.86 3.55 2.13 2.05 1.99	W2	**M1** 4 of these decimals correctly ordered *or* fully reversed condone transcription errors
				EJohn BAid Queen Wings Boney M Candle Xmas Boh Rap Mull Brown
	(c)	5.76	W2	**M1** figs 199, 179, 198 seen *or* figs 576
	(d)	1 750 000 *or* 1.75 m(illion)	W1	ignore commas, apostrophes only
			6	
5	(a)	Verona	W1	acc ⁻5 → acc $^-5$
	(b)(i)	2	W1	condone $^-2$
	(ii)	7	W1	condone $^-7$
			3	
6	(a)	6 points plotted correctly	W2	± 1mm condone extras **W1** for 3 plotted correctly
	(b)	eg higher written mark = higher cswk	W1	acc equivalent eg positive
	(c)(i)	line of best fit, ruled	W1	between (20, 3) & (20, 10) to (70, 27) & (70, 32)
	(ii)	52 to 58	W1	*or* ft *their* sensible line of best fit
			5	
7	(a)	0.24	W1	
	(ii)	125	W1	
	(b)	0.875	W2	**M1** attempt at $7 \div 8$ *or* 0.125 *or* figs 875
				acc if 0.875 seen but rounded to 0.88, 0.9
	(c)	35	W2	**M1** 70/200, $70 \div 200$ oe seen implied by figs 35
				or three percentages of 200 correct, all < 51%
			6	

8	(a)i	2.5	W1	acc embedded throughout
	ii	5	W2	condone ×5
				M1 4x = 20 or 22 – 2 + 4 inc in flowchart
				or 5 clearly found, final answer wrong
	iii	44	W1	
	(b)	9x + 3y	W2	do not ISW condone 9×x, x9 etc
				W1 9x or 3y condone 9x.3y etc for W1
				or M1 2x + y + 3x + 2y + 4x oe
	(c)	8k – 3m	W2	W1 8k or –3m condone 8kx–3m etc for W1
	(d)	5(2x – 3)	W1	
			9	
		Section A total	50	

9	(a)i	31	W1	
	(ii)	– 4	W1	acc equivalents direction & quantity throughout
	(b)	– 10, +2	W2	both, any order; acc equivalents W1 each
	(c)	66	W2	M1 6 × 10 + 6 or 60
			6	
10		T completed accurately	W2	± 1mm by eye; M1 intention
		triangle completed accurately	W2	± 1mm by eye
				W1 vertical line correct position & size in reflected triangle
				W1 sloping lines both correct orientation, attached to vertical
			4	
11	(a)	C A or D B	W2	W1 2 types correct
	(b)	20	W2	M1 4, 4 and 7 or 5
			4	
12	(a)	3 symbols entered	W1	
	(b)	rain (v)	W1	
	(c)	3	W1	
			3	
13	(a)	3 (mins) 38	W2	M1 180 or 3 (mins) inc 3.(...) min
	(b)	400 or 350	W1	
	(c)	285 or 235 or 248 (ft) 80 to 86 (m)	W2	or ft their (b) (75, 185, 365, 385) M1 conversion to same units attempted
		correct units	B1	only if conversion and subtraction attempted

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(d)   82   W2   **M1** subtraction seen or attempted

     condone –82

     8

14 (a)   20   W1

   (b)   2700   W1

   (c)   13   W1

   (d)   1700   W1   or **ft** *their* (b) – 1000

     4

15   3 sectors correct and labelled   W4   **±1% or ±3°**

                                 W3 2 correct, labelled   or   3 correct unlabelled

                                 W2 1 correct, labelled   or   2 correct unlabelled

                                 W1 20, 40, 25 & 15   or   72, 144, 90, & 54

Lab	20	68.4 - 75.6
Cons	40	140.4 - 147.6
Lib	25	86.4 - 93.6
Ind	15	50.4 - 57.6

     4

16 (a)   1116.25   W3   **M1** 0.175 × 950   (= 166.25) oe

                                 or   % of 950 correct making 17.5%

                                 or **W2** 1.175 × 950   oe,   implied by figs 1116

                                 A1   1116.25

   (b)   12.80   W3   **M1** 1600 ÷ 1.45 (= 1103.45) implied by figs 1103

                                 M1 **ft** *their* (a) – *their* 1103.45

                                 A1   12.80

                                 or **M1** *their* (a) × 1.45   (= 1618.5625)

                                         implied by figs 1618 to 1619

                                   M1 *their* 18.5625 ÷ 1.45,

                                 or **W2** 12.8, 12.81

     6

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17   20.4   W2   **W1** <u>217.12</u> or 10.65

                             or **W1** 20.3,   20,   figs 2038 to 2039

     2

18 (a)   correct line clearly indicated   W1

   (b)   rotation clockwise about origin 90°   W3   rotation anticlockwise about origin 270°

                                 W2 any 3 elements

                                 W1 any 2 elements

                                 acc   ¼ turn   or   right angle   etc

   (c)   correct position   W1   clear intention

     5

19 (a)   2, 3   W2   **W1**   each part

                                 condone incorrect form eg $(2x, 3y)$

   (b)   –4, 10   W1   acc <u>any</u> correct eg   (4, –13)   (0, 24),

         8, –4   W1   any pair satisfying $2x + 7y = 25$

     4

                                 Section B total   50

                                 | Paper Total 100 |