Arithmetic Non-Calculator   Mark Scheme

1.   5.06   4

0.96
1.40
2.58
10 − 4.94

B1 for £0.96 or 96p
B1 for £1.40 or 140p
B1 for £2.58 or 258p
B1 for 5.06

[4]

2.   (a)   4130   1

B1

(b)   0.24   1

B1

(c)   3.83   1

B1

[3]

3.   (a)   75p + £1.70
2.45   1

B1 cao

(b)   2 × 75p + 1.35
2.85   2

M1 for 2 × 75p + £1.35 or digits 285 seen
A1 for 2.85
(SC B1 for 2.10 or 210p)

(c)   £5 − (85p + £1.70)
£5 − £2.55
2.45   2

M1 for £5 − (85p+£1.70) or digits 245 seen (ignore units)
A1 cao
(SC B1 for £5 −"total" correctly calculated)

[5]

4.   £2.78   3

2 × 84p + 3 × £1.35 + £1.49
= £1.68 + £4.05 + £1.49
= £7.22
£10 − £7.22

B1 for digits 168 or 405 or 722 seen

M1 for £10 − their total
A1 cao
[SC: £6.32 = B0 M1 A0} with or without working
          278 = B1 M1 A0}

[3]

5.   2.43   4

B1 for 36 or 0.36
B1 for 96 or 0.96
B1 for 125 or 1.25 If none of first 3 B1s awarded then
SC B1 for four 24s and five 25s seen OR 4 × 24 and
5 × 25 seen
B1 for 2.43 cao

[4]

6.   12298   3

286	43	286 × 40 = 1140
43	286	286 × 3 = 858
858	258	1140 + 858 = 12298
11440	3440	
12298	8600	
	12298	

-

x	40	3	
200	8000	600	8600
80	3200	240	3440
6	240	18	258
			12298

	2	8	6
1	0 / 8	3 / 2	2 / 4
2	0 / 6	2 / 4	1 / 8

M2 for complete correct method (condone one computational error)
(M1 for complete correct method with two computational errors)
A1 cao

OR

B2 inside of grid completed (condone missing zeros and one error)
(B1 2 or 3 errors)
B1 cao

[3]

2

7. $27 \times 55 = 1350 + 135$
1485   2

           M1 for a fully correct method,
              (condone one arithmetic error)
           A1 cao

                                                  [2]

8. $33 - 19 = 14$
$14 + 15$
29   2

           M1 for 33 – 19   *or 33 + 15*   *or 19 – 15*
              or 14 seen   *or 48 seen*   *or 4 seen*
           A1 cao

                                                  [2]

9. (i)   10   3

           B1 cao

    (ii)   0

           B1 cao

    (iii)   2

           B1 cao

                                                  [3]