Mark schemes

1. 30,000

[1]

2. Award **TWO** marks for numbers completed, as shown:

| 5 | 3 | 2 | **4** | 9 |

| + | | **7** | 4 | 2 | **7** |

| **6** | 0 | 6 | 7 | 6 |

Award **ONE** mark for any two numbers completed correctly.

Up to 2m

[2]

3. Award **TWO** marks for the correct answer of 184

If the answer is incorrect, award **ONE** mark for:

•   sight of 92

OR

•   evidence of appropriate method, e.g.
  • $\frac{1}{3}$ × 276 = 92
      92 × 2 =
  •   276 ÷ 3 = 92
      276 − 92 =

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2 marks

[2]

4. (a)   136

1

(b)   310 **OR** −90

1

[2]

5. Award **TWO** marks for two boxes ticked correctly, as shown:

add 3 then subtract 90 ☐

subtract 100 then add 3 ☑

subtract 7 then subtract 90 ☑

subtract 3 then subtract 100 ☐

If the answer is incorrect, award **ONE** mark for:

• only one box ticked correctly and no incorrect boxes ticked

OR

• two boxes ticked correctly and one incorrect box ticked.

Accept alternative unambiguous positive indication of the correct answer, e.g. Y.

Up to 2 marks

[2]

6. (a) 11 written in the first box, as shown:

| 11 | 25 | 53 | |

1

(b) 109 written in the last box, as shown:

| | 25 | 53 | 109 |

1

[2]

7. Award **TWO** marks for the correct answer of (£)10.50

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $70 × 15 ÷ 100$

OR

- $10 × 15 ÷ 100 = £1.50$
  $3 × £1.50 = £4.50$
  $£15 − £4.50$

OR

Award **ONE** mark for sight of (£)4.50

> *Answer need not be obtained for the award of **ONE** mark.*
>
> *Award **ONE** mark for a final answer of (£)10.5 **OR** (£)105 **OR** (£)1050 as evidence of an appropriate method.*
>
> *Refer to section 2.1 on pages 8 and 9 for additional guidance on marking answers involving money (see Resource).*

Up to 2m

[2]

8. Award **TWO** marks for the correct answer of 123

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $87 + 154 + 38 = 279$
  $402 − 279$

OR

- $87 + 154 + 38 = 269$ *(error)*
  $402 − 269$

> *Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

9. Award **TWO** marks for the correct answer of 81,572

Award **ONE** mark for evidence of an appropriate method, e.g.

-
  $$\begin{array}{r} 80,978 \\ +\ \underline{72,319} \\ 153,297 \end{array}$$
  234,869 − 153,297

OR

-
  $$\begin{array}{r} 234,869 \\ -\ \underline{80,978} \\ 153,891 \end{array}$$
  153,891 − 72,319

OR

-
  $$\begin{array}{r} 234,869 \\ -\ \underline{72,319} \\ 162,550 \end{array}$$
  162,550 − 80,978

OR

Award **ONE** mark for sight of 153,297 **OR** 153,891 **OR** 162,550

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

10. Award **ONE** mark for all multiplications completed correctly with the given cards, as shown:

24 = [3] × [8]

28 = [4] × [7]

30 = [5] × [6]

Accept for each multiplication the numbers given in either order, e.g.
8 × 3
7 × 4
6 × 5

[1]

11. Award **TWO** marks for the correct answer of 821

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 800 × 2 = 1600
  511 + 268 = 779
  1600 − 779

OR

- 800 − 511 = 289
  800 − 268 = 542 *(error)*
  542 + 289

OR

- 800 − 511 − 268 = 23 *(error)*
  800 + 23

Answer need not be obtained for the award of **ONE** *mark.*

Up to 2m

[2]

12. Award **TWO** marks for all four signs correct, as shown:

1 × 2 × 3	=	1 + 2 + 3
2 × 2 × 2	>	2 + 2 + 2
1 × 10 × 10	>	1 + 10 + 10
0 × 10 × 10	<	0 + 10 + 10

If the answer is incorrect, award **ONE** mark for three signs placed correctly.

Accept unambiguous drawings of the correct signs.

Up to 2m

[2]

13. Award **TWO** marks for the correct answer of (£)2.85

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 190 ÷ 2 = 85 *(error)*
  190 + 85

OR

- 1.90 × 1.5

  *Answer need not be obtained for the award of **ONE** mark.*

  *Accept for **ONE** mark an answer of (£)285 **OR** £285p as evidence of an appropriate method.*

  Refer to section 6.1 on pages 14 and 15 for additional guidance on marking answers involving money (see Resource).

  Up to 2m

  [2]

14. Award **TWO** marks for the correct answer of 15(p)

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 30p + 45p + 60p = 135p
  50p × 3 − 135p

OR

- 50 − 30 = 20
  50 − 45 = 5
  20 + 5 + 50 = 75
  75 − 60

OR

- 150 − 45 = 95 *(error)*
  95 − 60 = 35
  35 − 30

  *Answer need not be obtained for the award of **ONE** mark.*

  *Accept for **ONE** mark an answer of 0.15(p) **OR** £15(p) as evidence of an appropriate method.*

  Refer to section 2.1 on pages 8 and 9 for additional guidance on marking answers involving money (see Resource).

  Up to 2m

  [2]