Mark scheme

Q1.

Award **TWO** marks for all symbols correct, as shown:

11 × 12 **<** 15 × 10

90 ÷ 30 **=** 60 ÷ 20

120 ÷ 4 **>** 160 ÷ 8

30 × 8 **<** 100 × 10

Award **ONE** mark for any three symbols correct.

Up to 2 marks

[2]

Q2.

Award **TWO** marks for the correct answer of 1800

If the answer is incorrect, award **ONE** mark for evidence of appropriate complete method with no more than one arithmetic error, e.g.

- 40 × 15 = 500 *(error)*
  500 × 3 = 1500

    Do not *accept sight of a correct multiplication, e.g. 40 × 15 × 3, for* ***ONE*** *mark unless part of the calculation is evaluated correctly.*
    Misreads are ***not*** *allowed.*

If no answer is given, the first part of the calculation must be evaluated correctly for the award of **ONE** mark, e.g.

- 15 × 3 = 45
  45 × 40 =

OR

- 40 × 15 = 600
  600 × 3 =

OR

- 40 × 3 = 120
  120 × 15 =

Up to 2m

[2]

Q3.

(a)   7

1

(b)   8

1

[2]

Q4.

Award **TWO** marks for a multiple of 15 which is greater than 100, eg

105 **OR** 120 **OR** 135 **OR** 150 **OR** 300

Accept more than one answer if all are correct.

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:
*Accept for **ONE** mark 30, 45, 60, 75 **OR** 90*

- 90 93 96 99 102 105 108 …
  90 95 100 105 110 115 …   ← *Not spotting matching number (105)*

- 90 93 96 98 101 104 107 (110) …
  90 95 100 105 (110) 115 …   ← *One step size incorrect (96 to 98)*

- 15 30 45 60 75 80 95 110 (125)   ← *One step size incorrect (75 to 80)*

- 3 × 5 × 20
  OR   ← *Multiple greater than 100 but not calculated*
  15 × 10

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

Up to 2

[2]

Q5.

29

[1]

Q6.

| 3 | 2 | × | 4 |

U1

[1]

Q7.

(a)

Laura   **£17.10**

*Accept £17.10p **OR** £17 10 **OR** £17 10p **OR** 1710p written outside the box.*

***Do not** accept £1710 **OR** £1710p **OR** £17.1*

1

(b)

Carl | **£10.50** |

The above guidance on notation applies also to this mark.

1

[2]

Q8.

7

[1]

Q9.

10

[1]

Q10.

Award **ONE** mark for two correct answers, as shown:

length = | 19 cm |

width = | 9.1 cm |

[1]

Q11.

10

[1]

Q12.

Award **TWO** marks for all four values correct as shown:

15 × 100 = | 1500 |

| 150 | × 10 = 1500

| 15000 | ÷ 100 = 150

150 ÷ 10 = | 15 |

If the answer is incorrect, award **ONE** mark for three values correct.

Up to 2

[2]

Q13.

47 ÷ | **100** | = | **0.47** |

AND

| 4.07 | × | **10** | = **40.7** |

Numbers within calculations may be given in either order.

[1]

Q14.

34

[1]

Q15.

Any set of four digits which make the calculation correct, eg:

$\boxed{3}\boxed{5}\boxed{0} \div 10 = \boxed{3}\boxed{5}$

Accept 300 ÷ 10 = 30
All four digits must be given.
Do not *accept*

$\boxed{}\boxed{3}\boxed{0} \div 10 = \boxed{3}\boxed{}$

[1]

Q16.

$\boxed{2}\boxed{0}\boxed{0}$

Accept answers elsewhere on the page if boxes are blank.
Do not *accept blank boxes as correct. Zeros must be present for award eg the mark.*

[1]

Q17.

Award **TWO** marks for the sentences completed as shown:

25 | ÷ 10 | = | 2.5

7 | ÷ 100 | = | 0.07

3.6 | × 100 | = | 360

Award **ONE** mark for any two sentences correct.

[2]

Q18.

45.46 litres

[1]