

Mark scheme – Week 4

Q1. (a) 163

1

(b) 2

1

[2]

Q2. Award **TWO** marks for four boxes completed correctly, as shown.

$$\begin{array}{r}
 \boxed{5} \ \boxed{6} \ \boxed{2} \ \boxed{8} \\
 + \boxed{3} \ \boxed{3} \ \boxed{9} \ \boxed{1} \\
 \hline
 \boxed{9} \ \boxed{0} \ \boxed{1} \ \boxed{9}
 \end{array}$$

*If the answer is incorrect, award **ONE** mark for three boxes completed correctly.*

Up to 2

[2]

Q3. (a) 4

1

(b) 599

1

[2]

Q4. Award **TWO** marks for all four values correct as shown:

$$15 \times 100 = \begin{array}{|c|} \hline 150 \\ \hline 0 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 150 \\ \hline \end{array} \times 10 = 1500$$

$$\begin{array}{|c|} \hline 1500 \\ \hline 0 \\ \hline \end{array} \div 100 = 150$$

$$150 \div 10 = \begin{array}{|c|} \hline 15 \\ \hline \end{array}$$

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

Up to 2

[2]

Q5. (a) 5

1

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

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

$$0.55 \times 3 = 1.65$$

$$1.20 + 1.65$$

*Accept for **ONE** mark £285 **OR** £285p as evidence of appropriate method.*

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

Up to 2

[3]

Q6. Award **TWO** marks for the correct answer of £3.85

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg

$$£10 - £2.30 = £7.70$$

$$£7.70 \div 2 = \text{wrong answer}$$

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

[2]

Q7. Award **TWO** marks for the correct answer of 80p **OR** £0.80

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

■ $£2.00 - £0.05 = £1.95$

$$£5.00 - £2.25 = £2.75$$

$$£2.75 - £1.95 = \text{wrong answer}$$

*Accept for **ONE** mark £80 **OR** £80p **OR** 0.80p as evidence of appropriate working.*

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2m

[2]

Q8. £ 302.27

[1]

Q9. 13

[1]

Q10. Award **TWO** marks for the correct answer of 16

If the answer is incorrect, award **ONE** mark for evidence of appropriate working which involves a complete and correct method, eg

$$12 \times 5 = 60$$

$$11 \times 4 = 44$$

$$60 + 44 = 104$$

$$120 - 104 = \text{wrong answer}$$

*An answer must be given for the award of **ONE** mark.*

Up to 2

[2]

Q11.

$$\begin{array}{ccc} \boxed{4} & \boxed{4} & \boxed{8} \\ & \boxed{5} & \boxed{2} \end{array}$$

or

$$\begin{array}{ccc} \boxed{4} & \boxed{5} & \boxed{2} \\ & \boxed{4} & \boxed{8} \end{array}$$

or

$$\begin{array}{ccc} \boxed{4} & \boxed{5} & \boxed{8} \\ & \boxed{4} & \boxed{2} \end{array}$$

or

$$\begin{array}{ccc} \boxed{4} & \boxed{4} & \boxed{2} \\ & \boxed{5} & \boxed{8} \end{array}$$

[1]

Q12.

$$\begin{array}{r} 26 \\ 3 \overline{) 78} \end{array}$$

Accept 7 wherever it is written provided the intention is clear.

[1]

Q13. 7

[1]

Q14. 33

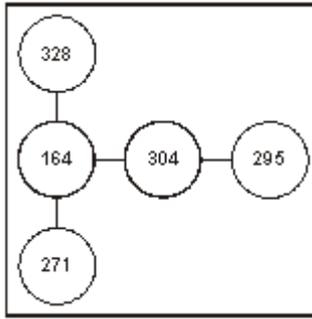
[1]

Q15. Digits written in boxes as shown:

$$4\boxed{6}4 + 38\boxed{7} = 851$$

[1]

Q16. Writes 164 and 304 as shown:



Both numbers must be correct and in the correct order for the award of the mark.

[1]

Q17. 20

[1]

Q18. Award **TWO** marks for the correct answer of 25p or £0.25.

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

- Lemons $\text{£}1 \div 5 = 20\text{p}$ each
Oranges $\text{£}1.80 \div 4 = 45\text{p}$ each
 $45\text{p} - 20\text{p}$

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

Up to 2

[2]

Q19. 10

[1]

Q20. Award **TWO** marks for the correct answer of 2,970.

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

- $11 \times 6 = 66$
 66×45

Do not accept sight of a correct multiplication only, e.g. $11 \times 6 \times 45$, for **ONE** mark.

*Misreads are **not** allowed.*

Up to 2m

[2]

Q21. Award **TWO** marks for the correct answer of 384

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

$$7 + 5 + 4 = 16$$

$$16 \times 24$$

OR

$$7 \times 24$$

$$5 \times 24$$

$$\underline{+ 4 \times 24}$$

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

Up to 2

[2]

Q22. Award **TWO** marks for both digits correct, as shown:

$$\begin{array}{r} \times \quad \quad \quad \boxed{4} \boxed{1} \\ \quad \quad \quad \boxed{2} \boxed{6} \\ \hline \quad \quad 2 \ 4 \ 6 \\ \quad 8 \ 2 \ 0 \\ \hline 1 \ 0 \ 6 \ 6 \end{array}$$

If the answer is incorrect, award **ONE** mark for one digit correct.

Up to 2

[2]

Q23. (a) $6\frac{1}{4}$

Accept equivalent fractions.

Do not accept $5\frac{5}{4}$

1

(b) $1\frac{1}{2}$

Accept equivalent fractions, eg

$1\frac{2}{4}$, $\frac{3}{2}$, 1.5, 150%

1

[2]

Q24.

Award **THREE** marks for the correct answer of 7,174

If the answer is incorrect, award **TWO** marks for:

- evidence of an appropriate complete method which contains no more than **ONE** arithmetic error, e.g.

$$\begin{array}{r} 53 \\ \times 68 \\ \hline 3504 \text{ (error)} \end{array} \qquad \begin{array}{r} 105 \\ \times 34 \\ \hline 3570 \end{array}$$

$$3,504 + 3,570 = 7,074$$

Award **ONE** mark for:

- evidence of an appropriate method with more than **ONE** arithmetic error.

OR

- sight of 3,604 as evidence of long multiplication step (68×53) completed correctly.

OR

- sight of 3,570 as evidence of long multiplication step (105×34) completed correctly.

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

*A misread of a number may affect the award of marks. No marks are awarded if there is more than **ONE** misread or if the mathematics is simplified.*

***TWO** marks will be awarded if an appropriate method with the misread number is followed through correctly.*

***ONE** mark will be awarded for evidence of an appropriate method with the misread number followed through correctly with no more than **ONE** arithmetic error.*

Up to 3m

[3]