FUNCTIONAL SKILLS TEST (NUMERACY)
MARK SCHEME - SPECIMEN PAPER
PAPER 1 - LEVEL 1

| No | Working | Answer | $\underset{\mathbf{k}}{\mathrm{Mar}}$ | Notes |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \hline 1.1 & \text { (a) } \\ & \text { (b) } \end{array}$ |  | Mon pm, Wed am Wed pm, Thu pm | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | B1 cao Need both. <br> B2 for both, no additional incorrect. <br> (B1 for one with no more than one incorrect, or both given with one additional incorrect, or Wed/Thu omitting pm) |
| $\begin{array}{ll} \hline 1.2 & \text { (a) } \\ & \text { (b) } \end{array}$ |  | $\begin{array}{\|l\|} \hline 7 \\ 4 \\ \hline \end{array}$ | $\begin{aligned} & 1 \\ & 1 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { B1 cao } \\ & \text { B1 cao } \\ & \hline \end{aligned}$ |
| $\begin{array}{ll} 1.3 & \text { (a) } \\ & \text { (b) } \end{array}$ |  | $\begin{array}{\|l\|} \hline 3 \\ 4 \end{array}$ | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | B1 cao <br> B1 cao |
| 1.4 |  | $\begin{array}{ll} \hline 8 & 1 \\ 8 & 2 \end{array}$ | 2 | B2 for all 4 correct <br> (B1 for just 2 correct, OR B1 for " 8 "-7 and " 8 "- 6 correct) |
| 1.5 | Miss Harlow Mrs Li Mr Hayes Mr Jones Miss Cook Mrs Sim | $\begin{array}{ccc} \hline \text { Har } & \text { Li Hay Jon } \\ \text { Co Sim } \end{array}$ | 2 | B2 Accept any abbreviations as long a sthey are not ambiguous <br> (B1 for at least 3 in the correct positions) |
| 1.6 (a) <br> (b) <br> (c) | $\begin{aligned} & 18+24+32= \\ & \\ & (18-16)+(24-21)+(32-28)= \\ & \text { OR }(18+24+32)-(16+21+28) \\ & \text { OR "74" }-(16+21+28)=" 74 "-" 65 "= \\ & (16+21+28) \times 38=" 65 " \times 38= \end{aligned}$ | 74 <br> 9 <br> $£ 2470$ | 2 <br> 2 <br> 2 | M1 for $18+24+32$ <br> A1 cao <br> M1 any valid and complete differencing process <br> A1 cao <br> M1 for process of addition of $16,21,28$ and $\times 38$ or for digits 247 <br> A1 cao |
| $1.7 \quad$ (a) <br> (b) | $(28+26+20+32+22+22) \div 6=150 \div 6=$ | $\begin{gathered} \frac{2}{6} \\ 25 \\ 25 \end{gathered}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\text { B1 } \frac{2}{6} \text { or } \frac{1}{3}$ <br> M1 for process of addition and $\div 6$ <br> A1 cao |
| $2.1 \quad$ (a) <br> (b) <br> (c) | $\begin{aligned} & 10+9+10+9= \\ & 10 \times 9= \\ & 6 \times 2.5= \end{aligned}$ | $\begin{aligned} & \hline 38 \\ & 90 \\ & 15 \end{aligned}$ | $\begin{aligned} & 1 \\ & 1 \\ & 2 \end{aligned}$ | B1 cao <br> B1 cao <br> M1 for process of finding fractional and integer sides then $2.5 \times 6$ <br> A1 cao |

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| No | Working | Answer | $\begin{gathered} \hline \mathbf{M a r} \\ \mathbf{k} \\ \hline \end{gathered}$ | Notes |
| :---: | :---: | :---: | :---: | :---: |
| $2.2 \quad \text { (a) }$ <br> (b) | $50-(20+17.50)$ $(" 37.5 "+4.50+13.5+12.99+7.8)-50=$ | $\begin{array}{\|c} \hline £ 12.50 \\ \\ \\ £ 26.29 \end{array}$ | $2$ $2$ | M1 for process of addition of $20+17.5(0)$ OR sight of 37.50 OR complete process of 50-"37.5" or 50-20-17.5(0) <br> A1 cao <br> SC: Award implied M1 only for 12.5 or 37.5 <br> M1 for process of adding all six tools and finding the difference with $£ 50$ <br> A1 cao <br> SC award B1 for either adding all six tools without finding the difference with $£ 50$, or finding the difference with $£ 50$ for only 4 tools, or sight of 76.29 , or sight of 11.21 |
| 2.3 |  |  | 1 | B1 for shading 8 squares |
| 2.4 (a) <br>  (b) <br>  (c0 | $10 \div 1.20$ | $\begin{array}{\|l\|} \hline 8-9 \\ 12-15 \\ 8 \\ \hline \end{array}$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & \hline \end{aligned}$ | B1 Accept any answer between 8-9 B1 Accept any answer between 12-15 B1 cao |
| 2.5 (a) <br> (b) | $(6 \times 5) \times 5=30 \times 5=$ $42 \div 7=$ | $\begin{aligned} & 150 \\ & 6 \end{aligned}$ | $2$ $1$ | M1 for process of finding the area and multiplying by 5 ; eg " $6 \times 5$ " $\times 5$ or 5 in each square and sum. <br> A1 cao <br> B1 cao |
| 2.6 (a) <br> (b) | $" 2.4 " \times 1000=$ | $\begin{aligned} & \hline 2.4 \\ & 2400 \end{aligned}$ | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | $\begin{aligned} & \text { B1 cao } \\ & \text { B1 ft " } 2.4 " \times 1000 \end{aligned}$ |
| $2.7 \quad \text { (a) }$ <br> (b) |  | $\begin{aligned} & \hline £ 0.06 \text { or } 6 \mathrm{p} \\ & £ 13.30 \\ & \hline \end{aligned}$ | $2$ <br> 1 | M1 for $£ 1.20 \div 20$ or sight of 6 <br> A1 $£ 0.06$ or 6 p (including units of money) <br> B1 Accept 13.30 |
| $\begin{array}{\|ll} \hline 3.1 & \text { (a) } \\ & \text { (b) } \end{array}$ |  | $\begin{aligned} & \hline 35-44 \\ & 15-24 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | $\begin{aligned} & \hline \text { B1 cao } \\ & \text { B1 cao } \end{aligned}$ |
| 3.2 (a) <br>  (b) <br>  (c) |  | $\begin{aligned} & \hline 25-34 \\ & 75000 \\ & 250000 \end{aligned}$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | B1 cao <br> B1 accept 74000-76000 <br> B1 cao |

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| No | Working | Answer | Mar k | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 3.3 |  | Radio, with reason given. | 2 | B1 some reference to the difference in scales, its 35000 for readers \& 250,000 for readers, scale is a tenth for readers, bars for listeners look bigger B1 (dep) listen to the radio. |
| 3.4 (a) <br> (b) | $\begin{aligned} & 93000 \div 2 \text { or } 93000 \times 50 \div 100 \\ & 100-55= \end{aligned}$ | $\begin{aligned} & 46500 \\ & 45 \% \\ & \hline \end{aligned}$ | 2 1 | M1 recognition of $50 \%$ as $1 / 2($ eg $50 / 100$ or $\div 2$ ) <br> A1 cao <br> B1 cao |
| 3.5 (a) <br> (b) |  | $\begin{aligned} & 6.1-7.9 \\ & 4 \text { miles } \end{aligned}$ | $1$ $1$ | B1 Accept any answer greater than 6 and smaller than 8. <br> B1 cao |
| 3.6 (a) <br>  (b) <br>  (c) <br>  (d) <br>  (e) <br>   <br>  (f) | $\begin{aligned} & 670+850= \\ & \text { " } £ 1520 " \times 4= \\ & 1550+370+2940= \\ & \\ & 4220-670-850=4220-1520= \end{aligned}$ | Sat <br> Tues <br> £1520 <br> £6080 <br> £4860 <br> £2700 | $\begin{aligned} & 1 \\ & 1 \\ & 2 \\ & 2 \\ & 2 \end{aligned}$ | B1 cao <br> B1 cao <br> B1 cao <br> B1 cao <br> M1 for correct processing: 1550+370+2940 <br> A1 cao <br> M1 for correct processing: $4220-(670+850)$ or $4220-1520$ or $4220-670-850$ <br> A1 cao |

Total: 60 marks.

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PAPER 1 - LEVEL 1

Level 1 COVERAGE: assessment grid

| Question | 1. | 1. 2 | $\begin{aligned} & 1 . \\ & 3 \end{aligned}$ | $\begin{aligned} & 1 . \\ & 4 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 . \\ & 5 \end{aligned}$ | $\begin{aligned} & \hline 1 . \\ & 6 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 . \\ & 7 \end{aligned}$ | $\begin{array}{\|l} \hline 2 . \\ 1 \end{array}$ | $\begin{aligned} & \hline 2 . \\ & 2 \end{aligned}$ | $\begin{aligned} & \hline 2 . \\ & 3 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 . \\ & 4 \end{aligned}$ | $\begin{aligned} & \hline 2 . \\ & 5 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 . \\ & 6 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2 . \\ & 7 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 . \\ & 1 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3 . \\ & 2 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 . \\ & 3 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 . \\ & 4 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 . \\ & 5 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3 . \\ & 6 \\ & \hline \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Coverag <br> e |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |
| 2 |  |  | X | X |  | X | X |  | X |  | X | X |  | X |  |  |  | X |  | X |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  | X |  |  | X |  |  |  |  | X |  |  | X |  |  |  |
| 5 |  |  |  |  |  |  |  |  | X |  | X |  |  | X |  |  |  |  |  |  |  |
| 6 |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  | X | X | X |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | X | X |  | X | X | X |  |  |  |  |  |  |  |  | X | X | X |  | X | X |  |
| 13 |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  | X | X |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

