Band 2 – Test 1 Answers

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| 1. |  $\frac{2}{5}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ | 1 mark lost for each incorrect place | 2 |
| 2. | 24g £144 | 1 mark for 1/10 = 8g seen1 mark for 10% or 1% seen1 mark for each correct answer | 4 |
| 3. |

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| **Fraction** | **Decimal** | **Percentage** |
| $\frac{1}{4}$  | 0.25 | 25% |
| $\frac{2}{5}$  | 0.4 | 40% |
| $\frac{17}{20}$  | 0.85 | 85% |

  | 1 mark for each correct answer | 3 |
| 4. | 200 g plain flour150 g ground almonds225 g soft brown sugar150 g butter10 ripe pears | 1 mark for 4 : 10 or x 2.5 seen1 mark for 2 quantities correct1 mark for all quantities correct | 3 |
| 5. | Farm shop is best valueFarm shop 🡪 1 kg = 72pSupermarket 🡪 1 kg = 73.2p | 1 mark for each piece of working1 mark for correct conclusion | 3 |
| 6. | 2 × 3 + 4 = 1010 – 2 × 5 = 016 ÷ (2 × 4) = 2 | 1 mark for each correct answer | 3 |
| 7. | 5.8 | Correct answer | 1 |
| 8. | \_\_48\_\_\_ \_\_\_72\_\_\_1 and 48 1 and 722 and 24 2 and 363 and 16 3 and 244 and 12 4 and 186 and 8 6 and 12 8 and 9HCF = 24 | 1 mark for each list of factors1 mark for 24 | 3 |
| 9. |  | Correct answer | 1 |
| 10. | 5n + 1 | 1 mark for 5n1 mark for +1 | 2 |
| 11. | 8p + 5q | 1 mark for p simplified correctly1 mark for q simplified correctly | 2 |
| 12. | 15 – 8 = 7 | 1 mark for 1 correct substitution1 mark for correct answer | 2 |
| 13. | 2x + 3 = 11 2x = 8 x = 4 | 1 mark for 2x = 81 mark for correct answer | 2 |
| 14. | 360 – (45 + 90 + 122) = 360 – 257 = 103º | 1 mark for 257º seen1 mark for correct answer | 2 |
| 15. | Correct sketch | 1 mark for each length/angle given | 3 |
| 16. | http://mathworld.wolfram.com/images/eps-gif/CubeNets_950.gif | 2 marks for any 1 of these nets | 2 |
| 17. |  | Correct answer | 2 |
| 18. | 5 x 8 = 40 cm² | 1 mark for correct working1 mark for correct answer | 2 |
| 19. | 50 000 ÷ 100 = 500 cm² | 1 mark for 100 seen1 mark for correct answer | 2 |
| 20. | 2 hoursWednesday | 1 mark for each correct answer | 2 |
| 21. | Mode = 5 Mean = 38 ÷ 10 = 3.8 | 1 mark for correct answer for mode1 mark for correct working for mean1 mark for correct answer for mean | 3 |
| 22. | 1 – (0.38 + 0.27 + 0.15) = 1 – 0.8 = 0.2 | 1 mark for 0.8 seen1 mark for correct answer | 2 |
| 23. |

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| **France** | **Germany** | **Spain** | **Total** |
| **Female** | 2 | 23 | 9 | 34 |
| **Male** | 15 | 2 | 9 | 26 |
| **Total** | 17 | 25 | 18 | 60 |

 | 2 marks for all correct1 mark lost for each incorrect | 2 |