Band 2 – Test 3 Answers

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{5}$ | 1 mark lost for each incorrect place | 2 |
| 2. | £32 384 ml | 1 mark for 1/7 = £8 seen1 mark for 10% or 1% seen1 mark for each correct answer | 4 |
| 3. |

|  |  |  |
| --- | --- | --- |
| **Fraction** | **Decimal** | **Percentage** |
| $\frac{1}{8}$  | 0.125 | 12.5% |
| $\frac{7}{10}$  | 0.7 | 70% |
| $\frac{9}{10}$  | 0.9 | 90% |

  | 1 mark for each correct answer | 3 |
| 4. | 600 g of spaghetti180 g of bacon3 tablespoons of oil6 eggs75 g of cheese | 1 mark for 4 : 6 or x 1.5 seen1 mark for 2 quantities correct1 mark for all quantities correct | 3 |
| 5. | Jim’s Store is best valueFood Mart 🡪 1 yoghurt = 36pJim’s Store 🡪 1 yoghurt = 35p | 1 mark for each piece of working1 mark for correct conclusion | 3 |
| 6. | 3 × 3 – 5 = 420 ÷ (12 – 2) = 27 + 8 ÷ 4 = 9 | 1 mark for each correct answer | 3 |
| 7. | 11.5 | Correct answer | 1 |
| 8. | \_\_120\_\_\_ \_\_\_150\_\_\_1 and 120 1 and 1502 and 60 2 and 753 and 40 3 and 504 and 30 5 and 305 and 24 6 and 256 and 20 10 and 158 and 1510 and 12HCF = 30 | 1 mark for each list of factors1 mark for 30 | 3 |
| 9. |  | Correct answer | 1 |
| 10. | 6n - 4 | 1 mark for 6n1 mark for -4 | 2 |
| 11. | 9x + y | 1 mark for x simplified correctly1 mark for y simplified correctly | 2 |
| 12. | 8 – 14 = -6 | 1 mark for 1 correct substitution1 mark for correct answer | 2 |
| 13. | 3a – 4 = 17 3a = 21 a = 7 | 1 mark for 3a = 211 mark for correct answer | 2 |
| 14. | 287º | 1 mark for 42 + 65 or 107 or 731 mark for correct answer | 2 |
| 15. | Correct sketch | 1 mark for each length/angle given | 3 |
| 16. |  | 2 marks for correct net | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| 17. |  | Correct answer | 2 |
| 18. | ½ x (2 + 6) x 3 = 12 cm² | 1 mark for correct working1 mark for correct answer | 2 |
| 19. | 9 x 1000 = 9000 mm³ | 1 mark for 1000 seen1 mark for correct answer | 2 |
| 20. |  | 1 mark for each correct answer | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| 21. | Mode = 0 Mean = 2.8 | 1 mark for correct answer for mode1 mark for 28 ÷ 10 = 2.81 mark for correct answer for mean | 3 |
| 22. | 1 – (0.35 + 0.24 + 0.19) = 1 – 0.78 = 0.22 | 1 mark for 0.78 seen1 mark for correct answer | 2 |
| 23. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Basketball** | **Swimming** | **Football** | **Total** |
| **Female** | 10 | 12 | 15 | 37 |
| **Male** | 9 | 17 | 7 | 33 |
| **Total** | 19 | 29 | 22 | 70 |

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