Baseline Answers

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| 1. |  - 9 - 12 | 1 mark for each correct answer | 2 |
| 2. | 32 x 1732 x 17 = 5443.2 x 1.7 = 5.44 | 1 mark for multiplying correct integers1 mark for correct multiplication1 mark for correct location of dp | 3 |
| 3. | 5 thousand | Correct answer | 1 |
| 4. | A factor of 12 = 4 A multiple of 3 = 9 A prime number = 7 or 11 | 1 mark for each correct answer | 3 |
| 5. | 42 = 16 √81 = 9 | 1 mark for each correct answer | 2 |
| 6. | 2 × 3 + 4 = 1010 – 2 × 5 = 016 ÷ (2 × 4) = 2 | 1 mark for each correct answer | 3 |
| 7. | 4.6 | Correct answer | 1 |
| 8. | \_\_12\_\_\_ \_\_\_18\_\_\_1 and 12 1 and 182 and 6 2 and 93 and 4 3 and 6HCF = 6 | 1 mark for each list of factors1 mark for 6 | 3 |
| 9. | 2.57 x 34 = 87.38 873.8 ÷ 2.57 = 340 | 1 mark for each correct answer | 2 |
| 10. | $\frac{10}{300}$ $\frac{2}{8}$ $\frac{4}{12}$ $\frac{1}{40}$ $\frac{4}{16}$ | 1 mark for each correct answer | 2 |
| 11. | 0.08 0.208 0.28 0.802 0.82 | 1 mark lost for each incorrect answer | 2 |
| 12. | 2 : 5 | Correct answer | 1 |
| 13. |  $\frac{3}{5}$ $\frac{5}{8}$ $\frac{2}{3}$ $\frac{3}{4}$ | 1 mark lost for each incorrect place | 2 |
| 14. | £28 11.2g | 1 mark for 1/10 = 8g seen1 mark for 10% or 1% seen1 mark for each correct answer | 4 |
| 15. |

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| **Fraction** | **Decimal** | **Percentage** |
| $\frac{2}{5}$  | 0.4 | 40% |
| $\frac{1}{2}$  | 0.5 | 50% |
| $\frac{13}{20}$  | 0.65 | 65% |

  | 1 mark for each correct answer | 3 |

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| 16. | $\frac{1}{5}$ + $\frac{2}{3}$ = $\frac{3}{15}$ + $\frac{10}{15}$ = $\frac{13}{15}$1 $\frac{1}{3}$ x 2 $\frac{3}{8}$ = $\frac{4}{3}$ x $\frac{19}{8}$ = $\frac{76}{24}$ = 3 $\frac{4}{24}$ = 3 $\frac{1}{6}$ | 1 mark for a correct common denominator1 mark for correct answer1 mark for correct improper fractions1 mark for a correct multiplication of fractions1 mark for correct answer | 5 |
| 17. |  10% = £12.00 10% = £12.00 10% = £12.00 10% = £12.00\_5% = £ 6.0045% = £54.00£120 - £54 = £66 | 1 mark for calculating 45%1 mark for subtracting 45% from £1201 mark for correct answer | 3 |
| 18. |

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| 26% | $\frac{1}{4}$  | 0.3 | $\frac{1}{3}$  | $\frac{2}{5}$  |
| 0.26 | 0.25 | 0.3 | 0.33 | 0.4 |
|  |  |  |  |  |
| $\frac{1}{4}$  | 26% | 0.3 | $\frac{1}{3}$  | $\frac{2}{5}$  |

 | 1 mark for 3 correct equivalent FDPs1 mark for correct order | 2 |
| 19. | 1 + 3 = 4 parts in total60 ÷ 15 litres15 x 3 = 45 litres | 1 mark for calculating total number of parts1 mark for calculating value of 1 part1 mark for correct answer | 3 |