Year 6 Core Arithmetic Test 8

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| 1 | 485 + 100 = | |
|---|-----------------|--------|
| | | 1 mark |
| 2 | 83 × 0 = | |
| | | 1 mark |
| 3 | 400 - 1 = | |
| | | 1 mark |
| 4 | 593 ÷ 1 = | |
| | | 1 mark |
| 5 | 9 × 5 × 2 = | |
| | | 1 mark |
| 6 | 7 × 7 = | |
| | | 1 mark |
| 7 | 60 352 + 8793 = | |
| | | 1 mark |

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| 8 | $\frac{1}{8}$ of 996 = | |
|----|------------------------|--------|
| | | 1 mark |
| 9 | 6291 - <u>4834</u> | |
| | | 1 mark |
| 10 | 9.03 × 10 = | |
| | | 1 mark |
| 11 | 37.9 + <u>87.4</u> | |
| | | 1 mark |
| 12 | 154 × 7 = | |
| | | 1 mark |
| 13 | 0.6 = ? % | |
| | | 1 mark |
| 14 | 686 ÷ 8 = | |
| | | 1 mark |

| 15 | $3^{3} =$ | |
|----|---------------------------------|---------|
| | | 1 mark |
| 16 | $2\frac{2}{9} + 3\frac{5}{9} =$ | |
| | | 1 mark |
| 17 | 12.05 ÷ 100 = | |
| | | 1 mark |
| 18 | 0.06 × 7 = | |
| | | 1 mark |
| 19 | $\frac{5}{6} = \frac{20}{?}$ | |
| | | 1 mark |
| 20 | 9.07 × 5 = | |
| | | 1 mark |
| 21 | 409 × <u>45</u> | |
| | | 2 marks |

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| 22 | $1\frac{1}{3} \times 2 =$ | |
|----|------------------------------------|---------|
| | | 1 mark |
| 23 | $\frac{4}{5}$ of 450 = | |
| | | 1 mark |
| 24 | 53)2248 = | |
| | | 2 marks |
| 25 | $\frac{1}{5} \times \frac{1}{3} =$ | |
| | | 1 mark |
| 26 | 66% of 3000 = | |
| | | 1 mark |
| 27 | $\frac{1}{6} \div 2 =$ | |
| | | 1 mark |
| 28 | $\frac{6}{7} - \frac{3}{4} =$ | |
| | | 1 mark |

Mark scheme

| 1. | 585 | [1] | 19. | 24 | [1] |
|-----|---|-----|-----|---|--------------------|
| 2. | 0 | [1] | 20. | 45.35 | [1] |
| 3. | 399 | [1] | 21. | For 2 marks: 18 405 | [2] |
| 4. | 593 | [1] | | For 1 mark: 409 | |
| 5. | 90 | [1] | | <u>× 45</u> 2045 <u>16360</u> | |
| 6. | 49 | [1] | | 18405 | |
| 7. | 69 145 | [1] | | An error in one row, then a correctly, or an error in the | |
| 8. | 124.5 or 124½ | [1] | 22. | $2\frac{2}{3}$ | [1] |
| 9. | 1457 | [1] | | 0 | F41 |
| 10. | 90.3 | [1] | 23. | 360 | [1] |
| 11. | 125.3 | [1] | 24. | For 2 marks: 42 r22 or 42 $\frac{22}{53}$ or 42.4(| [2] 15…) |
| 12. | 1078 | [1] | | For 1 mark: | , |
| 13. | 60 | [1] | | 42 or evidence of either a long division method or sho | ort |
| 14. | 85 r6 or 85.75 or 85 $\frac{3}{4}$ or 85 $\frac{6}{8}$ | [1] | | division method with only one error (carry figures mus be seen in a short division method) | st |
| 45 | | 741 | 25 | 1 15 | [1] |
| 15. | | [1] | | | [,] |
| 16. | $5\frac{7}{9}$ | [1] | | 1980 | |
| 17. | 0.1205 | [1] | 27. | 1 12 | [1] |
| 18. | 0.42 | [1] | 28. | 3 28 | [1] |