Year 6 Core Arithmetic Test 8

testbase

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 – 4834	1 mark
10	9.03 × 10 =	1 mark
11	37.9 + 87.4	1 mark
12	154 × 7 =	1 mark
13	0.6 = ? %	1 mark
14	686 ÷ 8 =	1 mark

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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	$\begin{array}{r} 409 \\ \times \quad 45 \\ \hline \end{array}$	2 marks

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22	$1\frac{1}{3} \times 2 =$	1 mark
23	$\frac{4}{5}$ of 450 =	1 mark
24	$53\overline{)2248}$ =	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

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Mark scheme

1. 585 **[1]**

2. 0 **[1]**

3. 399 **[1]**

4. 593 **[1]**

5. 90 **[1]**

6. 49 **[1]**

7. 69 145 **[1]**

8. 124.5 or 124½ **[1]**

9. 1457 **[1]**

10. 90.3 **[1]**

11. 125.3 **[1]**

12. 1078 **[1]**

13. 60 **[1]**

14. 85 r6 or 85.75 or $85\frac{3}{4}$ or $85\frac{6}{8}$ **[1]**

15. 27 **[1]**

16. $5\frac{7}{9}$ **[1]**

17. 0.1205 **[1]**

18. 0.42 **[1]**

19. 24 **[1]**

20. 45.35 **[1]**

21. *For 2 marks*: 18 405 **[2]**

For 1 mark:

$$\begin{array}{r} 409 \\ \times\ \ 45 \\ \hline 2045 \\ \underline{16360} \\ 18405 \end{array}$$

*An error in one row, then added correctly, **or** an error in the addition*

22. $2\frac{2}{3}$ **[1]**

23. 360 **[1]**

24. *For 2 marks*: **[2]**

42 r22 or $42\frac{22}{53}$ or 42.4(15…)

For 1 mark:

42 or evidence of either a long division method or short division method with only one error (carry figures must be seen in a short division method)

25. $\frac{1}{15}$ **[1]**

26. 1980

27. $\frac{1}{12}$ **[1]**

28. $\frac{3}{28}$ **[1]**

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