Year 6 Core Arithmetic Test 6

1	3456 × 0 =	1 mark
2	189 ÷ 1 =	1 mark
3	692 + 10 =	1 mark
4	299 + 1 =	1 mark
5	6 × 8 =	1 mark
6	805 − 49 =	1 mark
7	99 ÷ 6 =	1 mark

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8	$\begin{array}{r} 8647 \\ +\ \underline{4755} \end{array}$	1 mark
9	$8^2 =$	1 mark
10	$\begin{array}{r} 258 \\ \times\ \underline{5} \end{array}$	1 mark
11	$8 \times 5 \times 4 =$	1 mark
12	$5.014 \times 10 =$	1 mark
13	$3054 - 817 - 44 =$	1 mark
14	$\frac{3}{5} = \frac{18}{?}$	1 mark

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15	$\begin{array}{r} 319 \\ \times \underline{\ \ 72} \end{array}$	2 marks
16	$\frac{1}{7}$ of 602 =	1 mark
17	7.62 × 7 =	1 mark
18	0.03 × 7 =	1 mark
19	5% of 4200 =	1 mark
20	343.1 ÷ 1000 =	1 mark
21	$0.2 = \frac{?}{50}$	1 mark

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22	$\frac{1}{6} \times \frac{1}{2} =$	1 mark
23	$36\overline{)869} =$	2 marks
24	$\frac{5}{6} \times 24 =$	1 mark
25	87.34 − 7.8	1 mark
26	$\frac{1}{8} \div \frac{3}{4} =$	1 mark
27	$6\frac{1}{6} - 2\frac{1}{7} =$	1 mark
28	$\frac{1}{5} \div 2 =$	1 mark

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Mark scheme

1. 0 **[1]**

2. 189 **[1]**

3. 702 **[1]**

4. 300 **[1]**

5. 48 **[1]**

6. 756 **[1]**

7. 16 r3 or 16.5 or $16\frac{3}{6}$ or $16\frac{1}{2}$ **[1]**

8. 13 402 **[1]**

9. 64 **[1]**

10. 1290 **[1]**

11. 160 **[1]**

12. 50.14 **[1]**

13. 2193 **[1]**

14. 30 **[1]**

15. *For 2 marks*: 22 968 **[2]**

For 1 mark:

$$\begin{array}{r} 319 \\ \times\ \ 72 \\ \hline 638 \\ 22\,330 \\ \hline 22\,968 \end{array}$$

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

16. 86 **[1]**

17. 53.34 **[1]**

18. 0.21 **[1]**

19. 210 **[1]**

20. 0.3431 **[1]**

21. 10 **[1]**

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

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

24 r5 or $24\frac{5}{36}$ or 24.1(38…)

For 1 mark:

24 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)

24. 20 **[1]**

25. 79.54 **[1]**

26. $\frac{7}{8}$ **[1]**

27. $4\frac{1}{42}$ **[1]**

28. $\frac{1}{10}$ **[1]**

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