Year 6 Core Arithmetic Test 9

testbase

1	51 × 0 =	1 mark
2	540 − 1 =	1 mark
3	87 + 22 + 46 =	1 mark
4	2468 × 1 =	1 mark
5	481 + 59 =	1 mark
6	63 ÷ 7 =	1 mark
7	2 × 3 × 4 =	1 mark

8	3057 − 100 =	1 mark
9	6^2 =	1 mark
10	$\frac{1}{9}$ of 27 =	1 mark
11	$0.75 = \frac{?}{4}$	1 mark
12	30.4 + 59.8 =	1 mark
13	1492 – 605 =	1 mark
14	0.84 = ? %	1 mark

15	$\frac{2}{5}$ of 30 =	1 mark
16	$\frac{1}{6} = \frac{?}{30}$	1 mark
17	70% of 80 =	1 mark
18	$7\overline{)3456}$ =	1 mark
19	0.07 × 4 =	1 mark
20	2.97 × 4 =	1 mark
21	9.78 × 1000 =	1 mark

22	$\frac{5}{8} \times 40 =$	1 mark
23	$\frac{4}{5} \div 2 =$	1 mark
24	$65\overline{)8625} =$	2 marks
25	$\begin{array}{r} 1802 \\ \times \quad 43 \\ \hline \end{array}$	2 marks
26	$\frac{4}{5} - \frac{7}{10} =$	1 mark
27	$3\frac{7}{8} - 1\frac{1}{2} =$	1 mark
28	$\frac{3}{4} \times \frac{1}{2} =$	1 mark

Mark scheme

1. 0 **[1]**

2. 539 **[1]**

3. 155 **[1]**

4. 2468 **[1]**

5. 540 **[1]**

6. 9 **[1]**

7. 24 **[1]**

8. 2957 **[1]**

9. 36 **[1]**

10. 3 **[1]**

11. 3 **[1]**

12. 90.2 **[1]**

13. 887 **[1]**

14. 84 **[1]**

15. 12 **[1]**

16. 5 **[1]**

17. 56 **[1]**

18. 493r5 or $493\frac{5}{7}$ or 493.7(14…) **[1]**

19. 0.28 **[1]**

20. 11.88 **[1]**

21. 9780 **[1]**

22. 25 **[1]**

23. $\frac{2}{5}$ **[1]**

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

132 r45 or $132\frac{9}{13}$ or $132\frac{45}{65}$

or 132.7 or 132.6(92…)

For 1 mark: 132 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. *For 2 marks*: 77 486 **[2]**

$$\begin{array}{r} 1802 \\ \times \quad 43 \\ \hline 5406 \\ 72\,080 \\ \hline 77\,486 \end{array}$$

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

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

27. $2\frac{3}{8}$ **[1]**

28. $\frac{3}{8}$ **[1]**