Year 6 Extension Arithmetic Test 4

testbase

1	372,000 + 1,000 + 1,000 =	1 mark
2	32 − 50 =	1 mark
3	555,805 + 278,537	1 mark
4	$0.3 = \frac{?}{100}$	1 mark
5	750,000 − 80,000 =	1 mark
6	8,999 + 60 =	1 mark
7	? + 3,006 = 19,005	1 mark
8	5,907 × 8 =	1 mark

9	3,600 ÷ 6 =	1 mark
10	400,102 − 87,885 =	1 mark
11	3,686 ÷ 8 =	1 mark
12	4 × 1100 =	1 mark
13	80 × 80 − 30 =	1 mark
14	50 × 700 =	1 mark
15	5,500 ÷ 500 =	1 mark
16	70 + 2 × 48 =	1 mark

17	21.06 + 1.944 =	1 mark
18	$\begin{array}{r} 2.309 \\ \times \quad 8 \\ \hline \end{array}$	1 mark
19	$\frac{1}{2} \times \frac{1}{4} =$	1 mark
20	567.01 × 100 =	1 mark
21	$4^2 + 7^2 + 5^3 =$	1 mark
22	0.7 × 9 =	1 mark
23	$\frac{5}{6} + \frac{11}{12} =$	1 mark
24	256.92 − 39.043 =	1 mark

25	$6.7 \div 1000 =$	1 mark
26	$\begin{array}{r} 928 \\ \times \quad 76 \\ \hline \end{array}$	2 marks
27	$\frac{2}{3} \div 2 =$	1 mark
28	$65\% = \frac{?}{20}$	1 mark
29	89% of 250 =	1 mark
30	$\begin{array}{r} 1974 \\ \times \quad 83 \\ \hline \end{array}$	2 marks
31	$37.8 \div 4 =$	1 mark
32	$180 - 78 \div 2 + 4 =$	1 mark

33	$\frac{7}{6} - \frac{7}{10} =$	1 mark
34	$\frac{3}{7} \times 6 =$	1 mark
35	$38\overline{)7990} =$	2 marks
36	$3\frac{1}{4} - 1\frac{7}{8} =$	1 mark
37	$2\frac{3}{5} \times 4 =$	1 mark

Mark scheme

1. 374,000 **[1]**

2. −18 **[1]**

3. 834,342 **[1]**

4. $\frac{30}{100}$ **[1]**

5. 670,000 **[1]**

6. 9,059 **[1]**

7. 15,999 **[1]**

8. 47,256 **[1]**

9. 600 **[1]**

10. 312,217 **[1]**

11. 460 rem 6 or equivalent **[1]**

e.g. $460\frac{3}{4}$

12. 4,400 **[1]**

13. 6,370 **[1]**

14. 35,000 **[1]**

15. 11 **[1]**

16. 166 **[1]**

17. 23.004 **[1]**

18. 18.472 **[1]**

19. $\frac{1}{8}$ **[1]**

20. 56,701 **[1]**

21. 190 **[1]**

22. 6.3 **[1]**

23. $1\frac{3}{4}$ or equivalent **[1]**

e.g. $1\frac{9}{12}$ or $\frac{21}{12}$

24. 217.877 **[1]**

25. 0.0067 **[1]**

26. *For 2 marks*: 70,528 **[2]**

For 1 mark:

$$\begin{array}{r} 928 \\ \times\ 76 \\ \hline 5568 \\ \underline{64960} \\ 70528 \end{array}$$

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

27. $\frac{1}{3}$ or equivalent **[1]**

28. $\frac{13}{20}$ **[1]**

29. 222.5 **[1]**

30. *For 2 marks*: 163,842 **[2]**

For 1 mark:

$$\begin{array}{r} 1974 \\ \times\ 83 \\ \hline 5922 \\ \underline{157920} \\ 163842 \end{array}$$

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

31. 9.45 **[1]**

32. 145 **[1]**

33. $\frac{7}{15}$ or equivalent **[1]**

e.g. $\frac{14}{30}$

34. $2\frac{14}{7}$ or equivalent **[1]**

e.g. $\frac{18}{7}$

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

210 rem 10 or equivalent

For 1 mark:

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

36. $1\frac{3}{8}$ or equivalent **[1]**

e.g. $\frac{11}{8}$

37. $10\frac{2}{5}$ or equivalent **[1]**

e.g. $\frac{52}{5}$

Do not *accept unconventional mixed numbers e.g.* $8\frac{12}{5}$