Year 5 Extension Arithmetic Test 8

testbase

1	$\frac{11}{9} - \frac{1}{9} =$	1 mark
2	? + 2500 = 4750	1 mark
3	800 000 − 780 000 =	1 mark
4	8 × 60 =	1 mark
5	432 116 + 168 999	1 mark
6	9999 + 300 =	1 mark
7	150 000 + 75 000 =	1 mark

8	900 900 − 1000 − 1000 =	1 mark
9	240 ÷ 3 =	1 mark
10	70 × 80 =	1 mark
11	98 333 + 8765 =	1 mark
12	58 × 94	1 mark
13	2167 × 5 =	1 mark
14	90 104 − 55 555	1 mark

15	$4200 \div 60 =$	1 mark
16	$\frac{1}{8} \times 9 =$	1 mark
17	$5058 \div 6 =$	1 mark
18	$\begin{array}{r} 5.59 \\ \times \quad 7 \\ \hline \end{array}$	1 mark
19	$912\,392 - 82\,205 =$	1 mark
20	$\frac{4}{5} \times 3 =$	1 mark
21	$7^2 + 2^3 =$	1 mark

22	$57.4 \div 7 =$	1 mark
23	$\frac{2}{3} - \frac{1}{12} =$	1 mark
24	$1^2 + 7^2 - 4^2 =$	1 mark
25	$1\frac{1}{3} \times 5 =$	1 mark
26	$\begin{array}{r} 2071 \\ \times \quad 59 \\ \hline \end{array}$	2 marks
27	$32.04 - 3.735 =$	1 mark
28	$\frac{1}{4} + \frac{5}{6} =$	1 mark

Mark scheme

1. $1\frac{1}{9}$ or equivalent **[1]**

e.g. $\frac{10}{9}$

2. 2250 **[1]**

3. 20 000 **[1]**

4. 480 **[1]**

5. 601 115 **[1]**

6. 10 299 **[1]**

7. 225 000 **[1]**

8. 898 900 **[1]**

9. 80 **[1]**

10. 5600 **[1]**

11. 107 098 **[1]**

12. *For 2 marks*: 5452 **[2]**

For 1 mark:

$$\begin{array}{r} 58 \\ \times\ 94 \\ \hline 5220 \end{array}$$

$$\begin{array}{r} 232 \\ \hline 5452 \end{array}$$

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

13. 10 835 **[1]**

14. 34 539 **[1]**

15. 70 **[1]**

16. $1\frac{1}{8}$ or equivalent **[1]**

e.g. $\frac{9}{8}$

17. 843 **[1]**

18. 39.13 **[1]**

19. 830 187 **[1]**

20. $2\frac{2}{5}$ or equivalent **[1]**

e.g. $\frac{12}{5}$

21. 57 **[1]**

22. 8.2 **[1]**

23. $\frac{7}{12}$ or equivalent **[1]**

24. 34 **[1]**

25. $6\frac{2}{3}$ or equivalent **[1]**

e.g. $\frac{20}{3}$

Do not accept unconventional mixed numbers e.g. $5\frac{5}{3}$

26. *For 2 marks*: 122 189 **[2]**

For 1 mark:

$$\begin{array}{r} 2071 \\ \times\ 59 \\ \hline 103550 \end{array}$$

$$\begin{array}{r} 18639 \\ \hline 122189 \end{array}$$

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

27. 28.305 **[1]**

28. $1\frac{1}{12}$ or equivalent **[1]**

e.g. $\frac{13}{12}$