Year 5 Extension Arithmetic Test 2

testbase

1	9999 + 1 =	1 mark
2	499 999 + 1000 + 1000 =	1 mark
3	31 983 + 49 627	1 mark
4	230 000 + 370 000 =	1 mark
5	3 × 110 =	1 mark
6	$\frac{11}{9} - \frac{4}{9} =$	1 mark
7	35 621 + 7091 =	1 mark

8	760 000 − 48 000 =	1 mark
9	60 × 90 =	1 mark
10	360 ÷ 4 =	1 mark
11	45 679 − 27 735	1 mark
12	? + 3500 = 8400	1 mark
13	$\frac{1}{5} \times 6 =$	1 mark
14	4800 ÷ 80 =	1 mark

15	$2451 \times 9 =$	1 mark
16	$5643 \div 9 =$	1 mark
17	$\frac{3}{8} \times 3 =$	1 mark
18	$234\,901 - 87\,516 =$	1 mark
19	$1\frac{1}{3} \times 3 =$	1 mark
20	$9^2 - 1^3 =$	1 mark
21	$\begin{array}{r} 25 \\ \times\ 85 \\ \hline \end{array}$	2 marks

22	$1^2 + 2^2 + 5^2 =$	1 mark
23	$\begin{array}{r} 5.29 \\ \times \quad 6 \\ \hline \end{array}$	1 mark
24	$\frac{2}{3} + \frac{7}{12} =$	1 mark
25	$24.56 - 3.056 =$	1 mark
26	$\begin{array}{r} 2478 \\ \times \quad 28 \\ \hline \end{array}$	2 marks
27	$55.4 \div 4 =$	1 mark
28	$\frac{3}{4} - \frac{1}{10} =$	1 mark

Mark scheme

1. 10 000 **[1]**

2. 501 999 **[1]**

3. 81 610 **[1]**

4. 600 000 **[1]**

5. 330 **[1]**

6. $\frac{7}{9}$ or equivalent **[1]**

7. 42 712 **[1]**

8. 712 000 **[1]**

9. 5400 **[1]**

10. 90 **[1]**

11. 17 944 **[1]**

12. 4900 **[1]**

13. $1\frac{1}{5}$ or equivalent

e.g. $\frac{6}{5}$ **[1]**

14. 60 **[1]**

15. 22 059 **[1]**

16. 627 **[1]**

17. $1\frac{1}{8}$ or equivalent

e.g. $\frac{9}{8}$ **[1]**

18. 147 385 **[1]**

19. 4 or equivalent **[1]**

e.g. $\frac{12}{3}$

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

20. 80 **[1]**

21. *For 2 marks*: 2125 **[2]**

*Award only 1 mark if there is **either** one error in the multiplication steps, then added correctly, **or** no error in the multiplication steps but an error in the addition step.*

22. 30 **[1]**

23. 31.74 **[1]**

24. $1\frac{1}{4}$ or equivalent **[1]**

e.g. $\frac{15}{12}$

25. 21.504 **[1]**

26. *For 2 marks*: 69384 **[2]**

*Award only 1 mark if there is **either** one error in the multiplication steps, then added correctly, **or** no error in the multiplication steps but an error in the addition step.*

27. 13.85 **[1]**

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