Year 5 Extension Arithmetic Test 1

testbase

1	$\frac{5}{11} + \frac{7}{11} =$	1 mark
2	29 125 + 41 827	1 mark
3	368 701 + 1000 + 1000 =	1 mark
4	9999 + 100 =	1 mark
5	370 000 + 41 000 =	1 mark
6	$\frac{1}{5} \times 4 =$	1 mark
7	28 088 + 5253 =	1 mark

8	23 005 − ? = 21 006	1 mark
9	980 000 − 450 000 =	1 mark
10	36 342 − 27 838	1 mark
11	$1^2 + 2^2 + 4^2 =$	1 mark
12	330 ÷ 3 =	1 mark
13	123 502 − 98 624 =	1 mark
14	6 × 120 =	1 mark

15	$4200 \div 70 =$	1 mark
16	$\frac{5}{8} \times 2 =$	1 mark
17	$9^2 - 3^3 =$	1 mark
18	$\begin{array}{r} 3216 \\ \times \quad 9 \\ \hline \end{array}$	1 mark
19	$60 \times 40 =$	1 mark
20	$\frac{2}{3} + \frac{1}{12} =$	1 mark
21	$50.27 - 3.905 =$	1 mark

22	$\begin{array}{r} 24 \\ \times\ 83 \\ \hline \end{array}$	2 marks
23	$8253 \div 9 =$	1 mark
24	$\begin{array}{r} 5.26 \\ \times\ \ \ 5 \\ \hline \end{array}$	1 mark
25	$2\frac{2}{5} \times 3 =$	1 mark
26	$\begin{array}{r} 1367 \\ \times\ \ 29 \\ \hline \end{array}$	2 marks
27	$\frac{1}{4} - \frac{1}{6} =$	1 mark
28	$10.6 \div 4 =$	1 mark

Mark scheme

1. $\frac{12}{11}$ or equivalent
e.g. $1\frac{1}{11}$ **[1]**

2. 70 952 **[1]**

3. 370 701 **[1]**

4. 10 099 **[1]**

5. 411 000 **[1]**

6. $\frac{4}{5}$ or equivalent **[1]**

7. 33 341 **[1]**

8. 1999 **[1]**

9. 530 000 **[1]**

10. 8504 **[1]**

11. 21 **[1]**

12. 110 **[1]**

13. 24 878 **[1]**

14. 720 **[1]**

15. 60 **[1]**

16. $\frac{10}{8}$ or equivalent
e.g. $1\frac{1}{4}$ **[1]**

17. 54 **[1]**

18. 28 944 **[1]**

19. 2400 **[1]**

20. $\frac{9}{12}$ or equivalent **[1]**
e.g. $\frac{3}{4}$

21. 46.365 **[1]**

22. *For 2 marks*: 1992 **[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.*

23. 917 **[1]**

24. 26.3 **[1]**

25. $7\frac{1}{5}$ or equivalent **[1]**
e.g. $\frac{36}{5}$

Do not accept unconventional mixed numbers e.g. $6\frac{6}{5}$

26. *For 2 marks*: 39 643 **[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. $\frac{1}{12}$ or equivalent **[1]**

28. 2.65 **[1]**