Year 5 Extension Arithmetic Test 9

testbase

1	$\frac{8}{7} + \frac{11}{7} =$	1 mark
2	200 900 − 1000 − 1000 =	1 mark
3	8 × 70 =	1 mark
4	156 777 + 256 888	1 mark
5	240 ÷ 4 =	1 mark
6	9999 + 4 =	1 mark
7	2190 × 6 =	1 mark

8	25 000 − ? = 20 500	1 mark
9	33 333 + 8888 =	1 mark
10	70 × 70 =	1 mark
11	$\frac{1}{9} \times 3 =$	1 mark
12	220 000 + 290 000 =	1 mark
13	7200 ÷ 90 =	1 mark
14	98 307 − 27 690	1 mark

15	$3500 \div 4 =$	1 mark
16	$\frac{3}{5} \times 7 =$	1 mark
17	$840\,000 - 80\,000 =$	1 mark
18	$\begin{array}{r} 5.62 \\ \times \quad 8 \\ \hline \end{array}$	1 mark
19	$126\,236 - 79\,986$	1 mark
20	$\begin{array}{r} 67 \\ \times \quad 25 \\ \hline \end{array}$	2 marks
21	$7^2 + 3^3 =$	1 mark

22	$1^2 + 7^2 - 5^2 =$	1 mark
23	$\frac{1}{4} + \frac{1}{12} =$	1 mark
24	$\begin{array}{r} 1004 \\ \times \quad 89 \\ \hline \end{array}$	2 marks
25	$43.2 \div 8 =$	1 mark
26	$54.16 - 3.508 =$	1 mark
27	$1\frac{5}{6} \times 6 =$	1 mark
28	$\frac{2}{3} - \frac{2}{5} =$	1 mark

Mark scheme

1. $2\frac{5}{7}$ or equivalent **[1]**

e.g. $\frac{19}{7}$

Do not accept unconventional mixed numbers e.g. $1\frac{12}{7}$

2. 198 900 **[1]**

3. 560 **[1]**

4. 413 665 **[1]**

5. 60 **[1]**

6. 10 003 **[1]**

7. 13 140 **[1]**

8. 4500 **[1]**

9. 42 221 **[1]**

10. 4900 **[1]**

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

e.g. $\frac{3}{9}$

12. 510 000 **[1]**

13. 80 **[1]**

14. 70 617 **[1]**

15. 875 **[1]**

16. $4\frac{1}{5}$ or equivalent **[1]**

e.g. $\frac{21}{5}$

Do not accept unconventional mixed numbers e.g. $3\frac{6}{5}$

17. 760 000 **[1]**

18. 44.96 **[1]**

19. 46 250 **[1]**

20. *For 2 marks*: 1675 **[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.*

21. 76 **[1]**

22. 25 or 5^2 **[1]**

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

e.g. $\frac{4}{12}$

24. *For 2 marks*: 89 356 **[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.*

25. 5.4 **[1]**

26. 50.652 **[1]**

27. 11 or equivalent **[1]**

e.g. $\frac{66}{6}$

Do not accept unconventional mixed numbers e.g. $6\frac{30}{6}$

28. $\frac{4}{15}$ or equivalent **[1]**