Year 6 Core Arithmetic Test 1

testbase

1	495 + 1 =	1 mark
2	345 + 10 =	1 mark
3	82 × 1 =	1 mark
4	$\frac{1}{5}$ of 20 =	1 mark
5	36 × 0 =	1 mark
6	5813 + 1359	1 mark
7	87 ÷ 3 =	1 mark

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8	424 − 51 =	1 mark
9	5^2 =	1 mark
10	12 × 5 × 4 =	1 mark
11	729 × 4 =	1 mark
12	$5\% = \frac{?}{100}$	1 mark
13	7624 − 931 − 87 =	1 mark
14	2.6 × 10 =	1 mark

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15	0.3 × 3 =	1 mark
16	$\frac{1}{7} = \frac{?}{21}$	1 mark
17	36.4 − 27.8 =	1 mark
18	15% of 90 =	1 mark
19	$\begin{array}{r} 729 \\ \times\ 54 \\ \hline \end{array}$	2 marks
20	$\frac{7}{9}$ of 45 =	1 mark
21	221 ÷ 17 =	2 marks

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22	23.8 ÷ 1000 =	1 mark
23	63.6 × 7 =	1 mark
24	$\frac{5}{6} - \frac{2}{3}$ =	1 mark
25	$0.6 = \frac{?}{20}$	1 mark
26	$\frac{4}{7} \div 2$ =	1 mark
27	$\frac{1}{4} \times \frac{3}{7}$ =	1 mark
28	$2\frac{1}{8} - \frac{1}{4}$ =	1 mark

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Mark scheme

1. 496 **[1]**

2. 355 **[1]**

3. 82 **[1]**

4. 4 **[1]**

5. 0 **[1]**

6. 7172 **[1]**

7. 29 **[1]**

8. 373 **[1]**

9. 25 **[1]**

10. 240 **[1]**

11. 2916 **[1]**

12. 5 **[1]**

13. 6606 **[1]**

14. 26 **[1]**

15. 0.9 **[1]**

16. 3 **[1]**

17. 8.6 **[1]**

18. 13.5 or $13\frac{1}{2}$ **[1]**

19. *For 2 marks*: 39 366 **[2]**

For 1 mark:

$$\begin{array}{r} 729 \\ \times\ 54 \\ \hline 2916 \\ 36\,450 \\ \hline 39\,366 \end{array}$$

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

20. 35 **[1]**

21. *For 2 marks*: 13 **[2]**

For 1 mark: Evidence of either a long division method or short division method with only one error (carry figures must be seen in a short division method)

22. 0.0238 **[1]**

23. 445.2 **[1]**

24. $\frac{1}{6}$ **[1]**

25. 12 **[1]**

26. $\frac{2}{7}$ **[1]**

27. $\frac{3}{28}$ **[1]**

28. $1\frac{7}{8}$ **[1]**

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