Year 6 Core Arithmetic Test 1

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	$5\% = \dfrac{?}{100}$	1 mark
13	7624 − 931 − 87 =	1 mark
14	2.6 × 10 =	1 mark

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15	$0.3 \times 3 =$	1 mark
16	$\dfrac{1}{7} = \dfrac{?}{21}$	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	$\dfrac{7}{9}$ of 45 =	1 mark
21	$221 \div 17 =$	2 marks

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

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

*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]**