# 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<br>+ 1359 | 1 mark |
| 7 | 87 ÷ 3 = | 1 mark |

| | | |
|---|---|---|
| 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 |

| | | |
|---|---|---|
| **15** | $0.3 \times 3 =$ | 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** | $221 \div 17 =$ | 2 marks |

| | | |
|---|---|---|
| 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 |

**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]**