testbase

| | | |
|---|---|---|
| 1 | 383,000 + 1,000 + 1,000 = | 1 mark |
| 2 | −16 + 12 = | 1 mark |
| 3 | 752,476<br>+ 528,015 | 1 mark |
| 4 | 870,999 − ? = 480,999 | 1 mark |
| 5 | 2,839 × 8 = | 1 mark |
| 6 | 355,102 − 78,907= | 1 mark |
| 7 | 5,844 ÷ 8 = | 1 mark |
| 8 | 9999 + 2 = | 1 mark |

| | | |
|---|---|---|
| **9** | 500 × 80 = | 1 mark |
| **10** | 900,000 − 460,000 = | 1 mark |
| **11** | $30\% = \frac{?}{20}$ | 1 mark |
| **12** | 12% of 950 = | 1 mark |
| **13** | 3,600 ÷ 50 = | 1 mark |
| **14** | $5^2 + 3^3 + 4^2 =$ | 1 mark |
| **15** | 3 × 1200 = | 1 mark |
| **16** | 220 − 3 × 60 = | 1 mark |

testbase

| | | |
|---|---|---|
| 17 | $70 \times 80 - 90 =$ | 1 mark |
| 18 | $999.9 \times 100 =$ | 1 mark |
| 19 | $3{,}500 \div 700 =$ | 1 mark |
| 20 | $\begin{array}{r} 869 \\ \times \quad 74 \\ \hline \end{array}$ | 2 marks |
| 21 | $0.6 \times 12 =$ | 1 mark |
| 22 | $54.8 \div 1000 =$ | 1 mark |
| 23 | $0.47 = \frac{?}{1000}$ | 1 mark |
| 24 | $\frac{2}{3} + \frac{11}{12} =$ | 1 mark |

testbase

| | | |
|---|---|---|
| 25 | $\begin{array}{r} 1{,}784 \\ \times \quad 36 \\ \hline \end{array}$ | 2 marks |
| 26 | 32.97 + 0.099 = | 1 mark |
| 27 | $\begin{array}{r} 5.498 \\ \times \quad 7 \\ \hline \end{array}$ | 1 mark |
| 28 | 51.4 ÷ 4 = | 1 mark |
| 29 | 257.04 − 9.138 = | 1 mark |
| 30 | $\frac{5}{7} \times 8 =$ | 1 mark |
| 31 | $27\overline{)2751} =$ | 2 marks |
| 32 | $\frac{3}{4} \times \frac{3}{7} =$ | 1 mark |

| | | |
|---|---|---|
| 33 | $12 + 7 \times 4 - 4 =$ | 1 mark |
| 34 | $1\frac{5}{6} \times 3 =$ | 1 mark |
| 35 | $\frac{1}{3} \div 5 =$ | 1 mark |
| 36 | $\frac{7}{4} - \frac{3}{10} =$ | 1 mark |
| 37 | $2\frac{1}{5} + 3\frac{2}{3} =$ | 1 mark |

**Mark scheme**

**1.** 385,000 **[1]**

**2.** −4 **[1]**

**3.** 1,280,491 **[1]**

**4.** 390,000 **[1]**

**5.** 22,712 **[1]**

**6.** 276,195 **[1]**

**7.** 730 rem 4 or equivalent **[1]**
e.g. $730\frac{1}{2}$

**8.** 10,001 **[1]**

**9.** 40,000 **[1]**

**10.** 440,000 **[1]**

**11.** $\frac{6}{20}$ **[1]**

**12.** 114 **[1]**

**13.** 72 **[1]**

**14.** 68 **[1]**

**15.** 3,600 **[1]**

**16.** 40 **[1]**

**17.** 5,510 **[1]**

**18.** 99,990 **[1]**

**19.** 5 **[1]**

**20.** *For 2 marks*: 64,306 **[2]**

*For 1 mark*:

$$\begin{array}{r} 869 \\ \times \quad 74 \\ \hline 3476 \\ \underline{60830} \\ \underline{64306} \end{array}$$

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

**21.** 7.2 **[1]**

**22.** 0.0548 **[1]**

**23.** $\frac{470}{1000}$ **[1]**

**24.** $1\frac{7}{12}$ or equivalent **[1]**
e.g. $\frac{19}{12}$

**25.** *For 2 marks*: 64,224 **[2]**

*For 1 mark*:

$$\begin{array}{r} 1784 \\ \times \quad 36 \\ \hline 10704 \\ \underline{53520} \\ \underline{64224} \end{array}$$

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

**26.** 33.069 **[1]**

**27.** 38.486 **[1]**

**28.** 12.85 **[1]**

**29.** 247.902 **[1]**

**30.** $5\frac{5}{7}$ or equivalent **[1]**

e.g. $\frac{40}{7}$

***Do not*** *accept unconventional mixed numbers e.g.* $1\frac{15}{8}$

**31.** *For 2 marks*: **[2]**

101 rem 24 or equivalent

*For 1 mark*:

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

**32.** $\frac{9}{28}$ or equivalent **[1]**

**33.** 36 **[1]**

**34.** $5\frac{1}{2}$ or equivalent **[1]**

e.g. $\frac{33}{6}$

***Do not*** *accept unconventional mixed numbers e.g.* $3\frac{15}{6}$

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

**36.** $1\frac{9}{20}$ or equivalent **[1]**

e.g. $\frac{29}{20}$

**37.** $5\frac{13}{15}$ or equivalent **[1]**

e.g. $\frac{88}{15}$

***Do not*** *accept unconventional mixed numbers e.g.* $4\frac{28}{15}$