Maths Mastery

Formal Multiplication
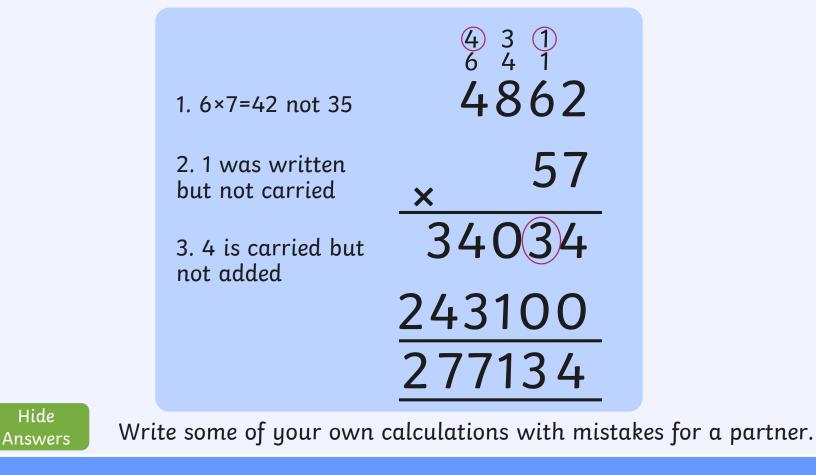
Spot the Mistakes

Here is a formal multiplication calculation.

Are the answers and method correct? Explain any errors.

1. 6×7=42 not 35

2. 1 was written but not carried

3. 4 is carried but not added

$$
\begin{array}{r}
④ \ 3 \ ① \\
6 \ 4 \ 1 \\
4862 \\
57 \\
\times \quad\quad \\
\hline
3403④ \\
243100 \\
\hline
277134 \\
\hline
\end{array}
$$

Hide Answers

Write some of your own calculations with mistakes for a partner.

Spot the Mistakes

Here is a formal multiplication calculation.

Are the answers and method correct? Explain any errors.

1. $3 \times 8 = 24$

20 not carried

$2473 \times 8 = 197\underline{8}4$

2. 0 not put in 2nd row, its $\times 20$,
$2473 \times 20 = 49460$

$$
\begin{array}{r}
\overset{1}{} \\
3 \; \overset{5}{} \; \textcircled{0} \\
2473 \\
28 \\
\times \\
\hline
19784 \\
4946\textcircled{0} \\
\hline
69244 \\
\hline
1 \quad 1 \quad 1
\end{array}
$$

Write some of your own calculations with mistakes for a partner.

Spot the Mistakes

Here is a formal multiplication calculation.

Are the answers and method correct? Explain any errors.

1. 7×2=14

    14+1=15

    1 not carried

2. 9×3=27 not 9

3. 3×3=9 not 6

4. 9+4=13

    1 not carried

    1+1=2

$$
\begin{array}{r}
\overset{2}{\underset{1}{}}\,\overset{2}{\underset{1}{}} \\
3079 \\
\times\quad 32 \\
\hline
6158 \\
92370 \\
\hline
98528 \\
\hline
1
\end{array}
$$

Write some of your own calculations with mistakes for a partner.

Missing Numbers

Complete these calculations.

```
    4 [2] 7 [1]              [5] 0 8 [4]              [9] 3 [6] 9
  ×       1 6            ×         [2] 7          ×           4 [7]
  ─────────────         ─────────────────        ───────────────────
    2 [5] 6 [2] 6         3 5 [5] 8 8              6 [5] 5 8 3
    4 [2] 7 1 0         1 [0] 1 6 [8] 0          [3] 7 [4] 7 6 0
  ─────────────         ─────────────────        ───────────────────
  [6][8][3][3][6]       [1][3][7][2][6][8]       [4][4][0][3][4][3]
  ─────────────         ─────────────────        ───────────────────
```

Write some missing number long multiplication calculations for a partner to solve.