

# Missing Number Calculations

## 2 Digit by 1 Digit Multiplication Guidance Notes

1. 
$$\begin{array}{r} 9 \square \\ \times \quad 8 \\ \hline 7 \quad 2 \quad 0 \end{array}$$

a) recognise  $9 \times 8 = 72$  so  $90 \times 8 = 720$

b)  $\square \times 8 = ?0$  (a number with 0 in the ones place)

so  $5 \times 8 = 40$  - no, because "carry 4 tens" doesn't work for the rest  
or  $0 \times 8 = 0$  - yes because of above

2. 
$$\begin{array}{r} \square 7 \\ \times \quad 2 \\ \hline 7 \quad 4 \end{array}$$

$7 \times 2 = 14$  so 
$$\begin{array}{r} \square 7 \\ \times \quad 2 \\ \hline 7 \quad 4 \\ 1 \end{array}$$

so  $\square 3 \times 2 = 6, 6 + 1$  (carried) = 7

3. 
$$\begin{array}{r} 7 \quad 1 \\ \times \quad \square \\ \hline 4 \quad 2 \quad 6 \end{array}$$

$1 \times \square = 6$

$1 \times 6 = 6$  is the only solution

$7 \quad 1$  works for the rest

$$\begin{array}{r} \times \quad 6 \\ \hline 4 \quad 2 \quad 6 \end{array}$$

\*

$$\begin{array}{r} 9 \quad 5 \\ \times \quad 8 \\ \hline 7 \quad 2 \quad 0 \\ 4 \end{array}$$

If it was 5, then:

$9 \times 8 = 72$

$72 + 4$  (carried) = 76