
2) Write two different word problems which could be solved by the calculation represented by the place value counters.
Thousands Hundreds Tens
visit twinkl.com

1) Harry has been practising short multiplication. Identify and explain the errors he has made.

2) Now complete each calculation correctly.

a) | 2 | 3 | 1 | 4 |
| :---: | :---: | :---: | :---: |
| $\times$ |  |  | 3 |
| 6 | 9 | 3 | 12 |
|  |  |  |  |

$\qquad$

| 2 | 3 | 1 | 4 |
| :---: | :---: | :---: | :---: |
| $\times$ |  |  | 3 |
|  |  |  |  |
|  |  |  |  |

b)

|  | 3 | 0 | 4 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 4 |
| 1 | 2 | 1 | 6 | 2 |
|  |  | 1 |  |  |


|  | 3 | 0 | 4 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 4 |
|  |  |  |  |  |
|  |  |  |  |  |

c)

|  | 5 | 2 | 0 | 6 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 6 |
| 3 | 1 | 2 | 9 | 6 |
|  | ${ }^{1}$ |  | ${ }^{3}$ |  |

$\qquad$

|  | 5 | 2 | 0 | 6 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 6 |
|  |  |  |  |  |
|  |  |  |  |  |

d)

|  | 4 | 3 | 1 | 0 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 8 |
|  | 3 | 4 | 4 | 8 |
|  |  | 2 |  |  |

$\qquad$

|  | 4 | 3 | 1 | 0 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 8 |
|  |  |  |  |  |
|  |  |  |  |  |

1) Can you identify the missing digits in these calculations?
a)

b)

|  | 4 |  | 1 | $\square$ |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 4 |
|  | 6 | 0 | 6 | 0 |

c)

|  |  | 1 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 5 |
| 3 | 0 | 5 | 1 | 5 |

2) Replace the letters with numbers to make this multiplication calculation work.
a) Find 3 possible solutions.

| $A$ | $B$ | $B$ | $A$ |
| :---: | :---: | :---: | :---: |
| $\times$ |  |  | $C$ |
| $C$ | $D$ | $D$ | $C$ |


b) Explain how you found solutions. For example, what can the letters be and what can they not be?
$\qquad$
$\qquad$
$\qquad$

