1) a) $1132 \times 3=3396$
b) $2042 \times 4=8168$
c) $3613 \times 6=21678$

The code is 311 .
2) Possible answers must show the need for calculating $2103 \times 4$, for example:

Sally is writing a book. Each day, she writes 2103 words. How many words has she written after the fourth day? sylvain earns $£ 2103$ a month. How much does he earn after four months?

1) a) Harry should have regrouped the ten from $4 \times 3$ and added this to $10 \times 3$, to make 4 in the tens column.
b) Harry has not regrouped the ten from $3 \times 4$.
c) Harry has incorrectly recorded $0 \times 6$ as 6 .
d) Harry has not recorded $0 \times 8$ as 0 by putting a place holder in the ones column.
2) a) $2314 \times 3=6942$
b) $3043 \times 4=12172$
c) $5206 \times 6=31236$
d) $4310 \times 8=34480$
3) a)

b)

c)

|  | 6 | 1 | 0 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  |  | 5 |
| 3 | 0 | 5 | 1 | 5 |
|  |  |  | 1 |  |

2) a) There are four possible solutions.
$1221 \times 3=3663$
$1441 \times 2=2882$
$1331 \times 2=2662$
$1221 \times 4=4884$
b) Look for children explaining that A must have a value of I to ensure that the answer $C$ has the same value as the multiplier C. None of the letters can have a value of 0 . Multiplying B by $C$ must not result in any regrouping, so these letters must have a value of less than $S$.
