1) a) 1132 × 3 = 3396

   b) 2042 × 4 = 8168

   c) 3613 × 6 = 21 678   The code is 311.

2) Possible answers must show the need for calculating 2103 × 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?

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1) a) Harry should have regrouped the ten from 4 × 3 and added this to 10 × 3, to make 4 in the tens column.

   b) Harry has not regrouped the ten from 3 × 4.

   c) Harry has incorrectly recorded 0 × 6 as 6.

   d) Harry has not recorded 0 × 8 as 0 by putting a place holder in the ones column.

2) a) 2314 × 3 = 6942

   b) 3043 × 4 = 12 172

   c) 5206 × 6 = 31 236

   d) 4310 × 8 = 34 480

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1) a)

3	2	**1**	2
×			3
9	**6**	3	6

b)

	4	**0**	1	**5**
×				4
1	6	0	6	0
			2	

c)

	6	1	**0**	**3**
×				5
3	0	5	1	5
			1	

2) a) There are four possible solutions.

   1221 × 3 = 3663

   1441 × 2 = 2882

   1331 × 2 = 2662

   1221 × 4 = 4884

   b) Look for children explaining that A must have a value of 1 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 5.

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