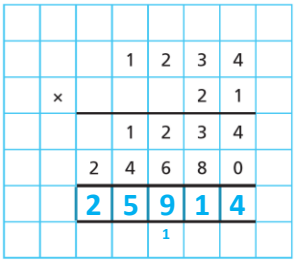
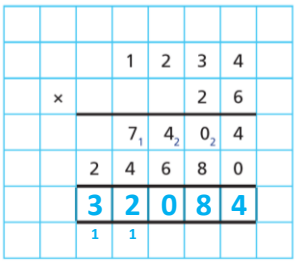
Y5 – Spring – Block 1 – Step 5 – Multiply a 4-digit number by a 2-digit number Answers

Question	Answer
1	 1 2 3 4 × 2 1 1 2 3 4 2 4 6 8 0 2 5 9 1 4 1 (1,234 × 1) (1,234 × 20)
2	a)  1 2 3 4 × 2 6 7 4 0 4 2 4 6 8 0 3 2 0 8 4 1 1 (1,234 × 6) (1,234 × 20) b) × | 1,000 | 200 | 30 | 4 20 | 20,000 | 4,000 | 600 | 80 6 | 6,000 | 1,200 | 180 | 24
3	a) In the second line, Tiny has worked out 2,541 × 4, not 2,541 × 40 In the calculation of 2,541 × 2 and 2,541 × 40, Tiny has not added the exchanged digits. b) 106,722
4	a) 98,532 b) 98,532 The answers are the same. The first number has been halved and the second number doubled to make the second calculation so the product remains the same.
5	a) 98,424 b) Possible methods include: multiply 2,734 by 3 and then multiply the answer by 12 multiply 2,734 by 12 and then multiply the answer by 3 multiply 2,734 by 36
6	31,752 Children may have multiplied the numbers in a different order.
7	a) multiple possible answers, e.g. 1234 × 56 b) Children's order will depend on their calculations in part a).
8	Whitney