# Multiplying by a 1 or 2 digit number

The understanding tested and common errors are noted for each question, with a link provided to relevant support material. Answers for each part of a long multiplication calculation are shown.
Always check the digits in the question have been copied correctly.
Mistakes with multiplication facts may be common. A multiplication square can be used by the pupil, to rule these out and focus on the method.

1) 302 x 3 = 906 — *Calculating with zero.*

2) 537 x 5 = 2,685 — *Carrying digits*

3) 6 x 276 = 1,656 — *Carrying digits, commutativity.*

4) 1,040 x 7 = 7280 — *Carrying digits, calculating with zero.*

5) 7,384 x 6 = 44,304 — *Carrying digits.*

6) 34 x 12 =
68
340
408
— *Long multiplication.*

7) 574 x 23 =
1722
11480
13202
— *Long multiplication, carrying digits.*

8) 53 x 426 =
1278
21300
22578
— *Long multiplication, carrying digits, commutativity recording zero after a placeholder.*

9) 23 x 2031 = 6093
40620
46713
— *Long multiplication, calculating with zero, commutativity,*

10) 3,145 x 27 = 22015
62900
84915
— *Long multiplication, carrying digits, recording zero after a placeholder.*

| Understanding tested | Question numbers |
|---|---|
| Calculating with zero | 1, 4, 9 |
| Carrying digits | 2, 3, 4, 5, 7, 8, 10 |
| Commutativity | 3, 8, 9 |
| Long multiplication | 6, 7, 8, 9, 10 |
| Recording zero after a placeholder | 8, 10 |