Multiplication by 1 or 2 digits and decimals

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) 3,023 x 3 = 9069   *Calculating with zero.*

2) 1,501 x 5 = 7505   *Calculating with zero, carrying digits*

3) 6 x 3,746 = 22,476   *Carrying digits, commutativity.*

4) 32 x 23 =   96   *Long multiplication.*
                 640
                 736

5) 225 x 41 =   225   *Long multiplication, recording zero after a*
                9000   *placeholder, carrying digits.*
                9225

6) 32 x 2,030 = 4060   *Long multiplication, commutativity,*
                60900   *calculating with zero, recording zero after a*
                64960   *placeholder.*

7) 2,376 x 67 = 16632   *Long multiplication, carrying digits,*
                 142560
                 159192

8) 2.4 x 6 = 14.4   *Multiplying a decimal, carrying digits.*

9) 3 x 2.13 = 6.39   *Multiplying a decimal, commutativity.*

10) 6.45 x 8 = 51.6   *Multiplying a decimal, carrying digits.*

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

Fixit Maths