# Written methods with decimals

The understanding tested is noted for each question, with a link to relevant support material. Always check the digits in the question have been copied correctly.

1) 46.3 – 5.869 = 40.431

*Aligning decimals*, *exchanging across zero*, *final placeholder*, *commutativy*, *calculating with zero*.

2) 246.12 + 64.306 = 181.814

*Aligning decimals*, *commutativity*, *calculating with zero*.

3) 24.08 ÷ 4 = 6.02

*Dividing a decimal*, *calculating with zero*, *commutativity*.

4) 3,086 x 25 =

15430
61720
77150

*Long multiplication*, *calculating with zero*.

5) 6.86 + 29.7 + 7.895 = 44.455

*Adding 3 numbers*, *aligning decimals*.

6) 58 x 874 =

6992
43700
50692

*Long multiplication*, *commutativity*, *zero after a placeholder*.

7) 4,335 ÷ 15 = 289

*Long division*.

8) 700.1 – 348.95 = 351.15

*Aligning decimals*, *final placeholder*, *commutativity*, *exchanging from 1*.

9) 8 x 7.65 = 61.2

*Multiplying a decimal*.

10) 3,406 ÷ 5 = 681.2

*Zero with remainder*, *remainder as a decimal*.

11) 5 – 3.627 = 1.373

*Aligning decimals*, *exchanging across zeroes*, *commutativity*.

12) 6,279 ÷ 23 = 273

*Long division*.