

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) $183.046 - 81.94 = 101.106$ [Aligning decimals, calculating with zero, exchanging.](#)
- 2) $307.06 + 40.907 = 347.967$ [Calculating with zero, aligning decimals.](#)
- 3) $1,203 \times 33 = 3609$
 $\quad \quad \quad \underline{36090}$
 $\quad \quad \quad \underline{39699}$ [Long multiplication, calculating with zero.](#)
- 4) $2,109 \div 3 = 703$ [Calculating with zero, zero with remainder.](#)
- 5) $7 \times 689 = 4,823$ [Carrying digits, commutativity.](#)
- 6) $9.8 + 17.96 + 7.83 = 35.59$ [Adding 3 numbers, aligning decimals, carrying across the decimal point.](#)
- 7) $500,039 - 86,457 = 413,582$ [Aligning numbers, exchanging across zeroes, calculating with zero.](#)
- 8) $6 \times 9.34 = 56.04$ [Multiplying a decimal, carrying digits, commutativity.](#)
- 9) $74.64 \div 6 = 12.44$ [Dividing a decimal.](#)
- 10) $6.1 - 2.496 = 3.604$ [Aligning decimals, final placeholder, exchanging from 1, commutativity.](#)
- 11) $3 \div 8 = 0.375$ [Zero with remainder, remainder as a decimal, commutativity.](#)
- 12) $52 \times 648 = 1296$
 $\quad \quad \quad \underline{32400}$
 $\quad \quad \quad \underline{33696}$ [Long multiplication, commutativity, carrying digits, recording zero after a placeholder.](#)