

# 1 2 3 4 + √ × − ÷ Worksheet 8

Name .....

Date .....

Class .....

## Fractions, decimals and percentages

### A. Decimals

Complete these definitions. Then use your Letts Maths Dictionary to check that you are right.

- The part of the decimal number to the right of the decimal point is the decimal fraction.
- The position of the digit after the decimal point is its decimal place.
- A recurring decimal has digits in a continuous pattern.
- A terminating decimal has a finite number of digits.

### B. Conversion

Draw a line to connect the conversion to the correct method. The first one has been done for you.

Conversion	Method
1. fraction → decimal	multiply by 100
2. decimal → fraction	divide numerator by denominator
3. decimal → percentage	percentage over 100
4. percentage → decimal	multiply by 100
5. fraction → percentage	divide by 100
6. percentage → fraction	numerator is decimal without decimal point; denominator is $10^n$ where n is number of decimal places in original number

### C. Place value

Look up the entry **place value** in your Letts Maths Dictionary.

Now write the numbers below in decimal form. Remember the decimal point. The first one has been done for you.

- fifteen and twenty-three thousandths 15.023
- one and five tenths .....
- fifteen hundredths .....
- one hundred and thirty and a half .....
- one thousand and five .....