

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.

1. The part of the decimal number to the right of the decimal p_____ is the decimal f_____.
2. The position of the digit after the decimal p_____ is its decimal p_____.
3. A rec_____ decimal has digits in a continuous pattern.
4. A ter_____ 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.

1. fifteen and twenty-three thousandths 15.023
2. one and five tenths _____
3. fifteen hundredths _____
4. one hundred and thirty and a half _____
5. one thousand and five _____