

## 1.6 Approximation

# Checklist

## What you should know

By the end of this subtopic you should be able to:

- round to a specified number of decimal places
- round to a specified number of significant figures
- determine upper and lower bounds for a rounded value
- determine upper and lower bounds for calculations performed with rounded values
- determine whether the answer to a calculation is sensible by estimating
- calculate the percentage error in estimated values using

$$\varepsilon = \frac{|\nu_A - \nu_E|}{\nu_E} \times 100\% .$$

