National Curriculum Links

Links to the National Curriculum in England

# Chapter 17: Calculations with decimals

Pupils should be taught to:

## Year 4

* solve simple measure and money problems involving … decimals to two decimal places

## Year 5

* multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
* solve problems involving numbers up to three decimal places

## Year 6

* multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
* multiply one-digit numbers with up to two decimal places by whole numbers
* use written division methods in cases where the answer has up to two decimal places

Links to Curriculum for Excellence in Numeracy and Mathematics in Scotland

# Chapter 17: Calculations with decimals

## Second

***Experiences and outcomes:*** *I have investigated the everyday contexts in which … decimal fractions are used and can carry out the necessary calculations to solve related problems.* ***MNU 2-07a***

***Benchmark:***

* adds and subtracts … decimal fractions to two decimal places …
* multiplies decimal fractions to two decimal places by a single digit
* divides whole numbers and decimal fractions to two decimal places, by a single digit, including answers expressed as decimal fractions, for example, 43 ÷ 5 = 8∙6
* applies knowledge of rounding to give an estimate to a calculation appropriate to the context

Links to Curriculum for Wales: Programme of Study for Mathematics, Key Stages 2–4

# Chapter 17: Calculations with decimals

Learners should be taught to:

## Year 5

* find differences between numbers with 1 decimal place
* multiply and divide … decimals by 10 and 100

## Year 6

* add and subtract numbers using whole numbers and decimals
* multiply … decimals by a multiple of 10, e.g. … 1.4 cm × 20

Australian Curriculum for Mathematics

This maps entries in the **Australian Mathematics Curriculum (from Foundation Stage to Year 7)** to the content of chapters of Haylock, *Mathematics Explained for Primary Teachers*, 6th edition.

# Chapter 17: Calculation with decimals

## Year 6

* Add and subtract decimals, with and without digital technologies, and use estimation and rounding to check the reasonableness of answers
* Multiply decimals by whole numbers and perform divisions by non-zero whole numbers where the results are terminating decimals, with and without digital technologies
* Multiply and divide decimals by powers of 10

## Year 7

* Multiply and divide … decimals using efficient written strategies and digital technologies