

# Contents

**How to use this book** .....5

**Progress checker** .....7

## Number and place value

Numbers up to 1,000,000 .....8

Counting in steps up to 1,000,000 ..... 10

Positive and negative numbers ..... 12

Rounding numbers ..... 14

Roman numerals ..... 16

## Calculations

Mental methods for adding and subtracting..17

Adding large numbers ..... 18

Subtracting large numbers .....20

Multiples and factors .....22

Prime numbers .....24

Multiplying large numbers .....26

Dividing large numbers .....28

Mental methods for multiplying and dividing ...30

Square numbers and cube numbers.....31

Multiplying and dividing by 10, 100 and 1000 ..32

Scaling and rates.....34

Using all four operations .....36

## Fractions, decimals and percentages

Comparing and ordering fractions.....38

Tricky fractions.....40

Adding and subtracting fractions .....42

Multiplying fractions and whole numbers .....44

Converting simple decimals and fractions ....46

Decimal fractions .....48

Numbers with three decimal places .....50

Rounding decimals .....52

Simple percentages .....54

## Measurement

Length and distance.....	56
Perimeter.....	58
Area.....	60
Mass, capacity and volume.....	62
Time.....	64
Money.....	66

## Geometry

Angle facts.....	68
Rotating angles.....	70
2D shapes.....	72
3D shapes.....	74
Reflecting and translating shapes.....	76

## Statistics

Line graphs.....	78
Tables and timetables.....	80

Answers.....	82
--------------	----

Glossary.....	86
---------------	----

Multiplication table.....	88
---------------------------	----

