

# Book 8T contents

**FM: indicates sections that address functional mathematics**

## Oral and mental starters

(Teacher's guide only) Ideas for teacher-led activities for use at the start of a lesson

### 1 Number bites 4 **FM: WD**

Practice with a range of number skills to be dipped into from time to time

### 2 Health club 14 **FM: all**

Getting information from a card-based database; dot plots, the median, including use to compare two groups, frequency bar charts

### 3 Triangles 18

Drawing a triangle from given lengths and angles; equilateral, isosceles and scalene triangles

### 4 Spot the rule 27

Recognising number patterns and writing linear rules for them using words and algebra; finding inputs and outputs for simple linear rules

### 5 Symmetry 31

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### 9 Number grids 44

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### 11 Multiples and factors 62

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### 12 Enlargement 68

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### 13 Anamorphs 74

Using coordinates in the first quadrant, visualising

### 14 Ice cream 75 **FM: all**

Sales simulation that involves number practice and estimation in a situation of uncertainty

### 15 Stars and angles 76

Measuring and estimating angles

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Teacher's guide ISBN 978-0-521-53809-1

Resource sheets for Book 8T ISBN 978-0-521-53811-4

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**16 Comparisons 77 FM: all**

Dot plots; median and range and their use to compare data from different groups

**17 Using a spreadsheet 83 FM: all**

Cell references; simple formulas; use to solve problems

**18 Using rules 88 FM: all**

Applying linear rules in practical situations, first in words then using algebra

**19 Repeats 96**

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**20 Buying and selling 100 FM: AB**

Using a calculator to multiply money by a value to one place of decimals; rounding to the nearest penny; rounding a value to one decimal place

**21 Photo display 104 FM: all**

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**22 Frequency 105 FM: all**

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**23 Puzzle it out 115 FM: A**

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**24 Hexathings 116**

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**25 Tens, hundreds and thousands review**

**124 FM: D**

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**26 Surfaces of solids 128 FM: all**

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**27 Spot the ball 133**

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**28 Percentages 134 FM: all**

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**34 To scale 159 FM: all**

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**35 Questions and calculations 168 FM: all**

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**37 Desk tidy 173 FM: all**

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**40 Estimation and units 190 FM: all**

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