Elementary - Grade 4

Workbook

# 2nd Edition NUMBERS Mathematics

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## Table of Contents

#### A Quick Tour of Your Workbook ..... IV



### Potions and Spells ...



Section 1	3
Representing a Number	4
Section 2	9
Place Value in a Number (1)	10
Place Value in a Number (2)	12
Section 3	17
Decomposing a Number	18
Comparing Numbers	20
Section 4	23
Symmetric Figures	24
Reflection	24
Tessellations	26
Section 5	29
Multiplication and Multiplication Tables	30
Division	32
I Use Reasoning	36
Section 6	37
Adding Big Numbers	38
Subtracting Big Numbers	40
I Use Reasoning	44







#### Mad about Music .....



Section 9	67
Angles	68
Parallel and Perpendicular Lines	68
Use Reasoning	72
Section 10	73
Polygons and Quadrilaterals	74
I Use Reasoning	78
Section 11	79
Number Patterns	80
I Use Reasoning	84
Section 12	85
Multiplication	86
Multiplying by Decomposing a Number	89
I Use Reasoning	92
Section 13	93
Fractions	94
Comparing Fractions	99
I Use Reasoning	102
Section 14	103
Decimal Numbers	104
Coins and Decimal Numbers	108
I Use Reasoning	111

I Spy	The of tl	Mystery ne Missing Guitar	112
Review	The	me 2 (Sections 9 to 14)	114
Final FUN	Nur	nber Pyramids	120
Math Worko	ut		121

## Mad about Music

Tonight, the music festival opens with a show by Geobeat, a band that is very popular among young people. Many of the band's fans are lined up outside the hall, hoping to see the show.

THEME 2

65

GEOBEAT

Sat.

7 p.m.

GEOBEAT

Theme



SECTION 13

93



A **fraction** represents one or more **equivalent parts** of a **whole**. The whole can be a single object or a group of objects (a **collection**).



## Practise



SECTION 13





a) If the whole, what fraction is represented by the second secon	
b) If <b>and the whole</b> , what represents $\frac{2}{5}$ ?	
c) If present $\frac{1}{3}$ of the whole, what represents the whole?	
d) If 🕜 🚫 🚫 represent the whole, what fraction is represented by 🚫 🚫 🔗 ?	

6 In a shop that sells musical instruments, there are guitars, saxophones and drums.



Answer the questions. Use tokens to help you.

- a) What fraction of the collection of musical instruments consists of guitars?
- b) What fraction of the collection of musical instruments consists of drums?
- c) What fraction of the collection of musical instruments consists of saxophones?





**7** Match each fraction to its representation.





## Learn Comparing Fractions

If the wholes are the same and **the fractions have the same denominator**, then all you have to do is compare the numerators.



If the wholes are the same but **the fractions have different denominators**, you can represent the fractions to compare them.



**SECTION 13** 



Fill in the tables.





e)

h)

f)

i)

THEME 2 • Mad about Music

Δ

d)

g)

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**3 Colour** each pair of figures to represent the given fractions. Then **compare** the fractions using the correct symbol: <, > or =.





SECTION 13

## I Use Reasoning

The organizers of a benefit dinner-concert expect 80 people to attend. They need 8 matching tablecloths to cover the tables.

These are the types of tablecloths available:



The 8 tablecloths will cost

### The Mystery of the Missing Guitar

Since the last band practice, no one can find the school's guitar. The music teacher suspects that one of four volunteers may have put the guitar away in the wrong place. Look on pages 67 to 111 for the instruments shown below. Near each instrument is a number. Copy this number into the corresponding box below. Then follow the instructions at the bottom of the page.

To find the absent-minded volunteer, match each number in the boxes to the corresponding clue in the list to the right. Once you have found the correct person, circle him or her on the next page.

Watch out! There are clues that do not match any of the numbers in the boxes. Ignore them!



112



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