Alavi

Mathematics

Learner's Book

3

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Introduction

The Primary Mathematics brings together the world-class Cambridge Primary mathematics curriculum from Cambridge International Examinations. It is an innovative combination of curriculum and resources designed to support teachers and learners to success in primary mathematics through best-practice international maths teaching and a problem-solving approach.

The Cambridge curriculum is dedicated to helping schools develop learners who are confident, responsible, reflective, innovative and engaged. To this end, the textbooks provide support based on pedagogical practice found in successful schools around the world. This series is arranged to ensure that the curriculum is covered whilst allowing teachers to use a flexible approach.

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CHAPTER 1

What learners will learn and reinforce

The activities in this chapter give learners practice in the following topics:

Topic	In this topic, learners will:
1.1. Numbers	compare 3-digit numbers.
1.2. Before, after, between	write the number that comes before/ after/ between.
1.3. Greater than/ less than	identify if a number is less than/ greater than/ equivalent to a given number.
1.4. Adding and subtracting	practise adding and subtracting 3-digit numbers.
1.5. Symmetry	identify the line of symmetry and how it splits a shape into two halves.

Word bank

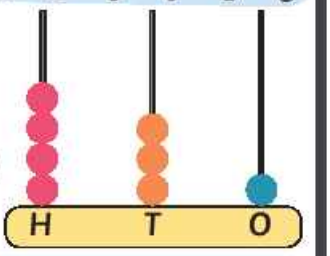
1	place value	2	hundreds	3	tens	4	ones	5	abacus
6	3-digit number	7	come after	8	come before	9	come between	10	less than
11	greater than	12	equal to	13	least	14	greatest	15	plus
16	minus	17	equal	18	line of symmetry	19	horizontally	20	vertically
21	diagonally								

1.1. Number

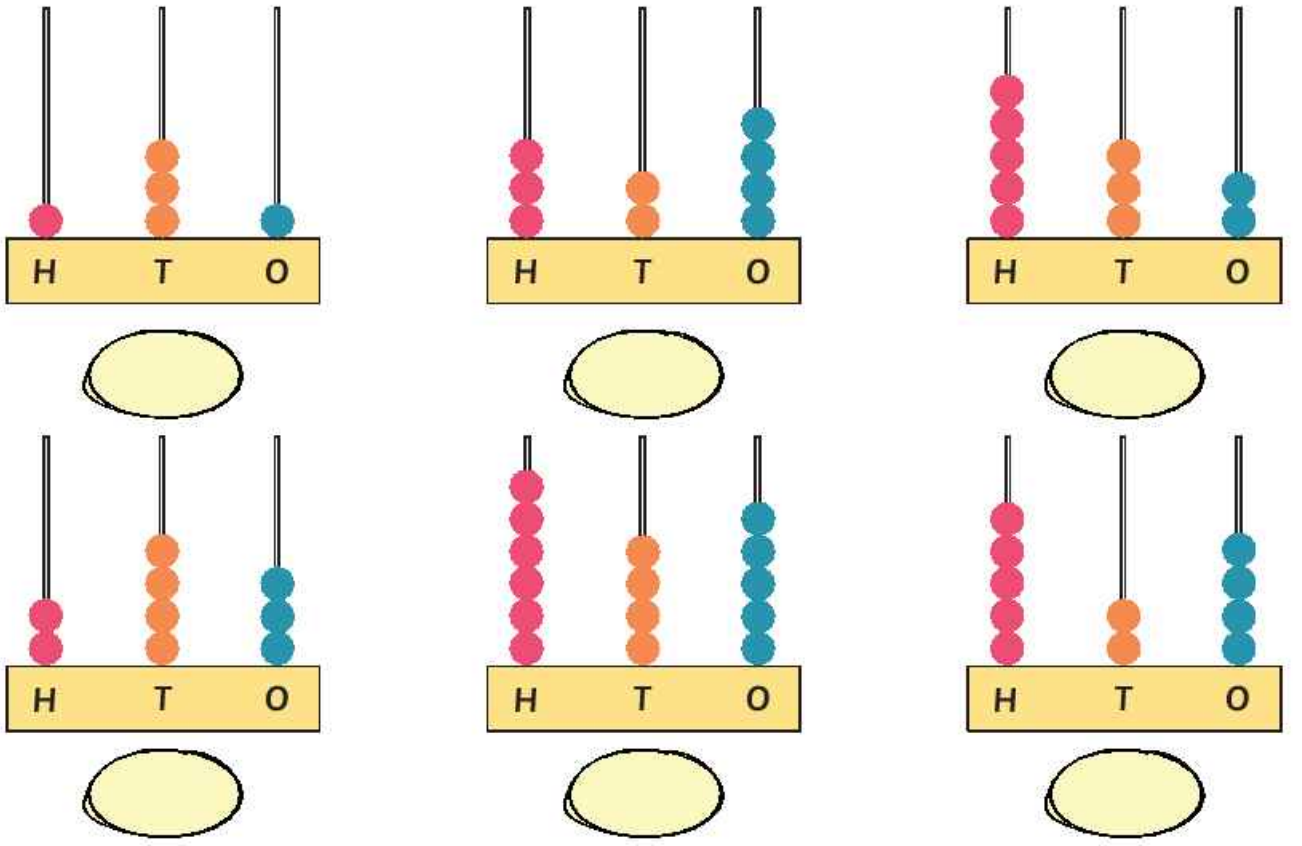
Hundreds, tens and ones

Remember

An abacus uses beads to represent numbers. Each stick has a different value. On these abacuses, they are hundreds, tens and ones.



1) The number of beads in each tower of the abacus tells you how many hundreds, tens and ones are in each number. Write a list of the numbers shown.



2) Put the numbers in order from the smallest to the largest.

3) Draw an abacus to show each of these numbers:

Here are four digits.

7	4	9	1

(a) Make the biggest three-digit number you can with any three of these digits.

(b) Make the smallest three-digit number you can with any three of the digits in question 1.

1.2. Before, after, between

Write the number that comes one before:

1) ....., 155 ....., 121 ....., 186

2) ....., 378 ....., 599 ....., 701

3) ....., 411 ....., 600 ....., 259

Write the number that comes after:

4) 734, ... 551, ... 287, ...

5) 414, ... 880, ... 699, ...

6) 108, ... 348, ... 99, ...

Write the number that comes between:

7) 214, ..., 216 589, ..., 591

8) 777, ..., 779 305, ..., 307

9) 880, ..., 882 98, ..., 100

Write all the even numbers between 515 and 535.

1.3. Greater than, less than

Comparing numbers

Look and learn
- > is greater than
- < is less than
- = is equal to

Write > , < or = .

1) 521 < 542

2) 681 ☐ 914

3) 130 ☐ 119

4) 835 ☐ 816

5) 315 ☐ 315

6) 725 ☐ 35

Ordering numbers

Write the numbers in order from least to greatest.

1) 225, 98, 187, 309 ....., ..., ..., ...

2) 470, 417, 428, 459 ....., ..., ..., ...

Write the numbers in order from greatest to least.

3) 518, 377, 801, 495 ....., ..., ..., ...

4) 350, 96, 606, 428 ....., ..., ..., ...

5) 770, 765, 707, 777 ....., ..., ..., ...

Problem Solving: Critical Thinking

Solve the riddle.

I am a number less than 250 and greater than 245 I have 7 ones, what number am I?

I am an even number between 624 and 630. I have more than 6 ones. What number am I?