



Endorsed for learner support

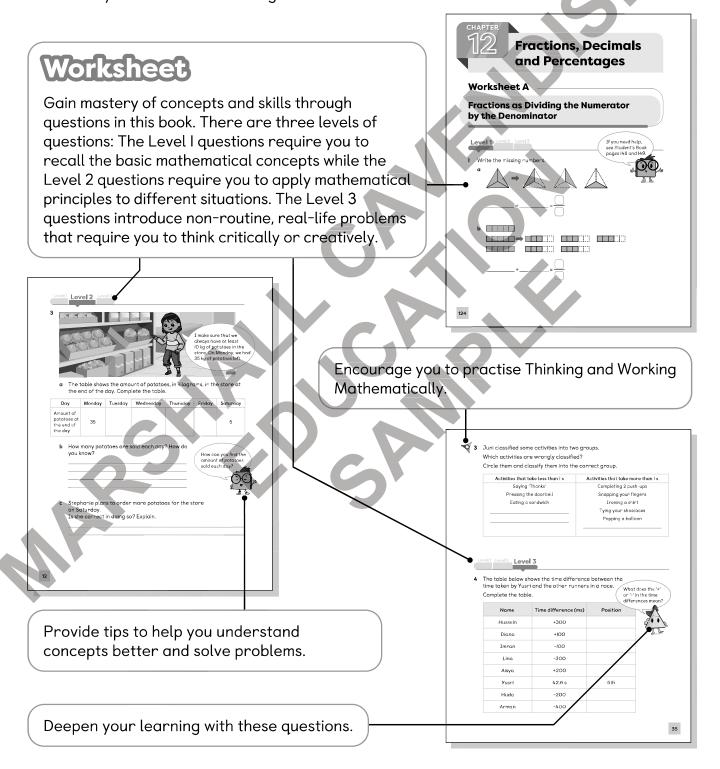
Cambridge Primary Mathematics

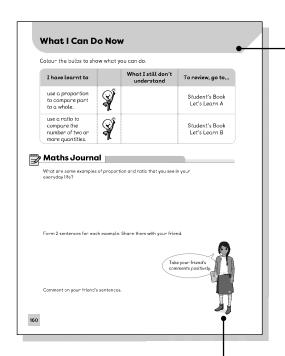


How to Use This Book

This book is designed to help you understand mathematical concepts through meaningful learning experiences that are joyful and simple.

The Activity Book has the following features:





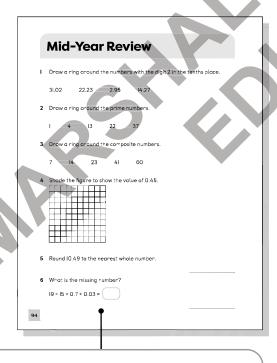
What I Can Do Now

Use the rating table and the journal to help you reflect on and evaluate your understanding so you can identify any gaps and work towards filling them.

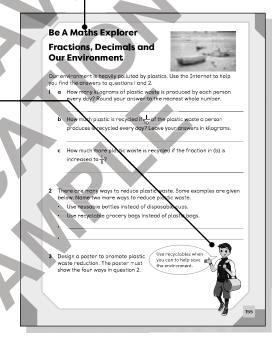
BeaMaths Explorer

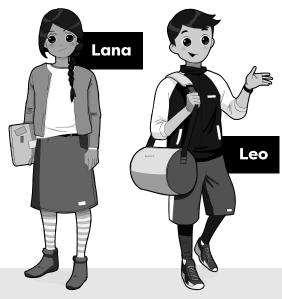
Use the Internet to find out more about the origins and applications of key concepts in mathematics that is also found in other subjects. This activity also reinforces 21st century skills such as collaboration, teamwork and interdisciplinary thinking.

Learn more about Social and Emotional skills with two mascots, Lana and Leo. They appear at relevant points to interact with you, teaching you how to better understand your feelings and express yourself with different groups of people.



Check your progress with the Mid-Year and End-of-Year reviews.



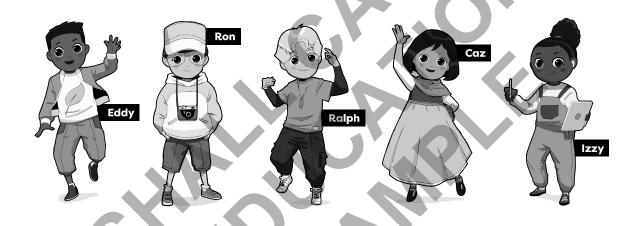


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Get ready to start an exciting learning journey with us!



CHAPTER

Special Numbers

Worksheet A

Prime and Composite Numbers

Level 1 Level 2 Level 3

If you need help, see Student's Book pages 2 to 4. Fill in the blanks.

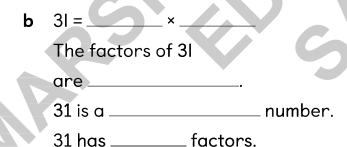


The factors of 25

are _____

number. 25 is a ____

factors. 25 has_





What is the same and what is different between the numbers 25 and 31?

The factors of 52 are _____

52 is a _____ number with ____ factors.



The factors of 7I are _____.

71 is a _____ number with ____ factors.

2 List the factors of the numbers.

Then determine if the numbers are prime or composite numbers.

a The factors of 37 are _____.

37 has _____ factors. 37 is a ____ number.

b The factors of 5I are ______.

51 has _____ factors. 51 is a ____ number.

Level 2 Level 3



3 a Colour all the prime numbers in the box. What number do you see?

20	25	_	10	0.5	- /	F O
36	35	Ь	16	95	54	50
48	Ш	24	20	2	43	40
21	19	99	29	39	38	42
33	61	72	71	41	30	64
72	47	57	53	52	37	34
I	89	85	27	17	15	14
Ю	88	44	45	75	25	48

What are the characteristics of a prime number and a composite number?



b Is the number in (a) a prime number or a composite number? Explain.

4 a Dave has 28 chairs.

He arranges them in equal rows.

What are some ways he can arrange them?



- **b** Dave adds I more chair. He wants to arrange all the chairs in equal rows. How would he do that?
- 5 I am a composite number smaller than 20.

I have 6 factors. I am divisible by 4. What number am I?

- 6 a Describe how students in a class can display their 25 drawings.
 - **b** A student says the drawings can be arranged in 2 equal rows. Explain if he is correct.

Level 2 Level 3

7 Mabel has a 2-digit number beginning with 9.

She writes the number as a product of a pair of its factors. One of the factors is a prime number and the other is a composite number. The difference between the two factors is 2.

Find the 2-digit number.

Worksheet B

Tests of Divisibility

Level 1

Level 2 Level 3

432 _____ divisible by 4.

- Is the number divisible by 4? Fill in the blanks.
 - In 432, the last two digits are _____÷4=____
 - In 3984, the last two digits are _____÷4=____ 3984 _____ divisible by 4.



You can check your answers using a calculator.



- Is the number divisible by 8? Fill in the blanks.
 - In 8432, the last three digits are ÷ 8 = ____

432 _____ divisible by 8.

In 13 984, the last three digits are _____. _____ ÷ 8 = _____ 13 984 _____ divisible by 8.

		ook at a and b . What can you conclude about the divisibility of the mbers in b ?					
	_						
3	Ex	plain your answers to these questions.					
	а	Is I2 8I8 divisible by 4?					
	b	Is 35 648 divisible by 8?					
L	evel	1 Level 2 Level 3					
4	So	ort the numbers. Complete the table.					
	176	5 512 1592 9324					
		Numbers divisible by 4 Numbers divisible by 8					
5	a	Jackie shares 244 blocks equally among 3 friends and herself. Are there any blocks left?					
	1						
	b	Devan wants to share 1244 beads equally among 7 friends and himself.					
		He says there are no beads left after that. Is he correct? Explain.					

6 A factory has 57 946 strawberries. The workers pack them into bags of 8 strawberries each.

Any remaining strawberries are packed into cartons.



a The factory supervisor says his workers will not be packing strawberries in cartons.

Is he correct? Explain.

b The factory supervisor says that all the strawberries can also be packed into snack packs of 4 strawberries each. Will there be any cartons containing strawberries?

How do you know?

What I Can Do Now

Colour the bulbs to show what you can do.

I have learnt to	What I still don't understand	To review, go to
tell the difference between prime and composite numbers.		Student's Book Let's Learn A
understand the test of divisibility.		Student's Book Let's Learn B



Maths Journal

Write a riddle using these words:

prime number, composite number, divisible by 4 and 8

For example:

A number is a composite number. It is divisible by 4 and 8. What is the number?

Solve it. Then exchange your riddles with your partner. Did both of you get the same answer? Did both of you do it the same way?

Marshall Cavendish Education empowers educators and students with high-quality, research-based educational solutions that nurture joyful and future-ready global citizens.

Our Mathematics packages are designed for powerful learning through providing meaningful learning experiences that are joyful and simple. Each learning experience is carefully crafted to engage the hearts and minds of students. Our packages offer a myriad of fun and engaging learning experiences to motivate students and spur them to learn. We use simple language and everyday contexts to help students make sense of mathematical concepts easily. The use of Singapore's tried-and-tested methodologies and carefully varied questions help students to think and work mathematically, and develop mastery in the subject. Our packages provide opportunities for students to reflect on their own thinking which will help them become competent problem solvers.

We have published numerous mathematics packages to support primary and secondary schools. Marshall Cavendish Cambridge Primary Mathematics is our primary series based on the Cambridge Primary Mathematics curriculum framework (0096).

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- My Pals are Here! Maths 4th Edition
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- New Mathematics Connection

Lower Secondary

- Maths Ahead
- Maths 360

Upper Secondary

- Marshall Cavendish IGCSE Core and Extended Mathematics
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- Marshall Cavendish Cambridge O Level Mathematics D
- Maths 360
- Additional Maths 360

This resource is endorsed by Cambridge Assessment International Education

- Provides learner support as part of a set of resources for the Cambridge Primary Mathematics curriculum framework (0096) from 2020
- ✓ Has passed Cambridge International's rigorous quality-assurance process
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- ✓ For Cambridge schools worldwide

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