

max maths primary

A SINGAPORE APPROACH

Student Book
1



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Student Book 1

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Preface

max maths Primary – A Singapore Approach is a mathematics course specially designed to meet the needs of learners following the **Cambridge Primary** curriculum framework in Stages 1 to 6.

The **Max Maths Primary** student books guide learners through key mathematical concepts, addressing the learning objectives in the **Cambridge Primary** curriculum framework. Each topic begins with an engaging introduction followed by scaffolded activities that ensure learners have grasped the necessary concepts, skills and knowledge. A variety of exercises, games and cooperative learning activities are included in each chapter to reinforce problem-solving skills and provide the opportunity for learners to develop their content knowledge.

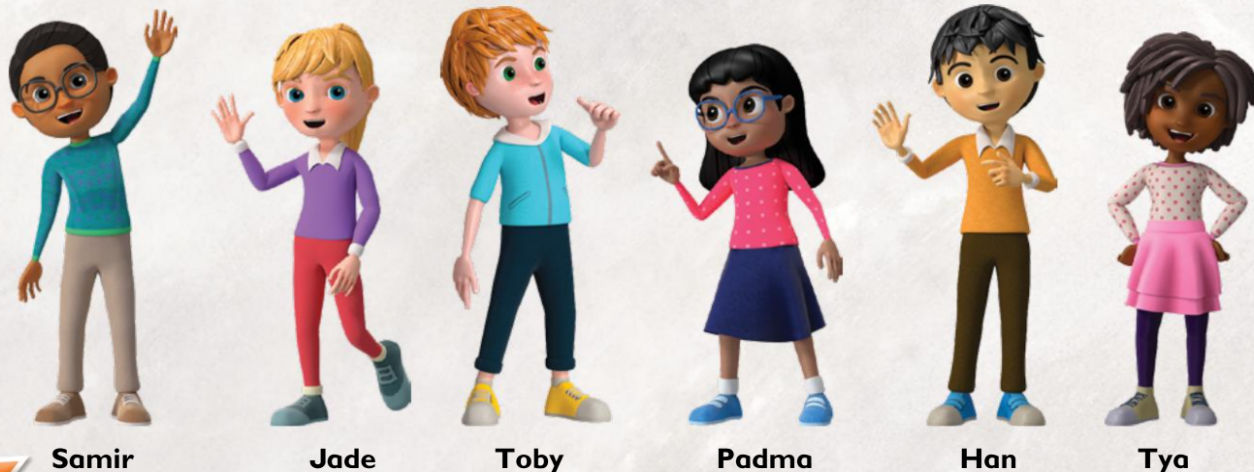
Student book features



Chapter openers

Each chapter is introduced with clearly defined learning objectives and provides a real-world context for teachers to facilitate discussion with the class.

The Max Maths team



Engaging photographs and illustrations

Colourful illustrations and photographs help to engage learners and encourage an enthusiastic approach to learning mathematics.

Order and patterns
Let's Learn Together

1 Count from zero to ten.

0 zero, 1 one, 2 two, 3 three, 4 four, 5 five, 6 six, 7 seven, 8 eight, 9 nine, 10 ten

Subtraction by taking away
Let's Learn Together

There are 4 strawberries.
1 strawberry is taken away.
There are 3 strawberries left.

"-" stands for take away or minus.
 $4 - 1 = 3$
Four minus one equals three.

$4 - 1 = 3$
is a subtraction sentence.

Let's Try It

1 There are 8 eggs.
3 eggs are broken.
Cross out the broken eggs.

There are eggs left.

2 There are 3 cookies on a plate.
3 cookies are taken.
Cross out the cookies being taken.

There are cookies left.

Scaffolded learning

Each mathematics topic provides scaffolding for learners, ensuring they have a solid grasp of each topic before practising and applying concepts learnt.

Mass Together

1 Each stands for 1 unit.

(a) In small groups, use a balance and blocks to find the mass of each of the objects below.

(b) Record the mass of each object in your maths journal.

2 Help the Max Maths team arrange their masses from the heaviest to the lightest.

I am heavier than Tye and Jade.
I am heavier than Tye. I am lighter than Toby.
I am lighter than Samir.
I am heavier than Samir.

Samir, Jade, Tye, Toby

Cooperative learning

Games, activities and challenging problem-solving questions encourage cooperative learning and make learning mathematics fun and exciting.

1 Han has 10 footballs.
He has kicked 3 balls into the goal so far.
How many more footballs can Han kick into the goal?

Han can kick more footballs into the goal.

2 There are 10 meatballs on a plate.
Toby eats them all.
How many more meatballs can Toby eat?

Toby can eat more meatballs.

Let's Practise

The Venn diagram and the Carroll diagram show how Jade has sorted her toy vehicles.

Venn diagram

Carroll diagram

Has four wheels	Does not have four wheels

(a) There are toys with four wheels.
(b) There are toys that do not have four wheels.
(c) How many more toys have four wheels than do not have four wheels?
(d) Draw a car in the Venn diagram and in the Carroll diagram.
(e) Draw a bicycle in the Venn diagram and in the Carroll diagram.

Cambridge Primary curriculum framework

In the spirit of the Cambridge Primary curriculum framework, practical activities that encourage conceptual understanding and problem-solving are included.

Workbook links

Workbook links provide guidance to teachers and learners by directing them to the corresponding activities in the workbook.





1

Numbers up to 20



2



You will learn to ...

- count from 1 to 20
- read and write numbers to 20
- recognise zero and its meaning
- compare and order numbers to 20
- recognise and complete patterns in numbers to 20
- read and identify ordinal numbers to 10 as both words and symbols.



Counting to 10

Let's Learn Together

1 Count to 10.



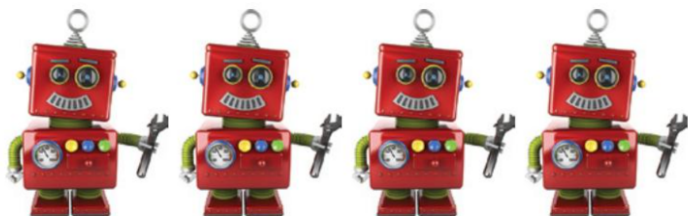
1
one



2
two



3
three



4
four



5
five





6
six



7
seven



8
eight



9
nine



10
ten



2 Count the meatballs on the plates.



Hey Han,
how many meatballs
can you count?



2
two



1
one



There are zero meatballs on this plate.

0
zero

Let's Try It



Count the animals.

(a)



(b)



(c)



(d)



1, 2, 3, 4, 5, ...
There are ___ fish.



(e)



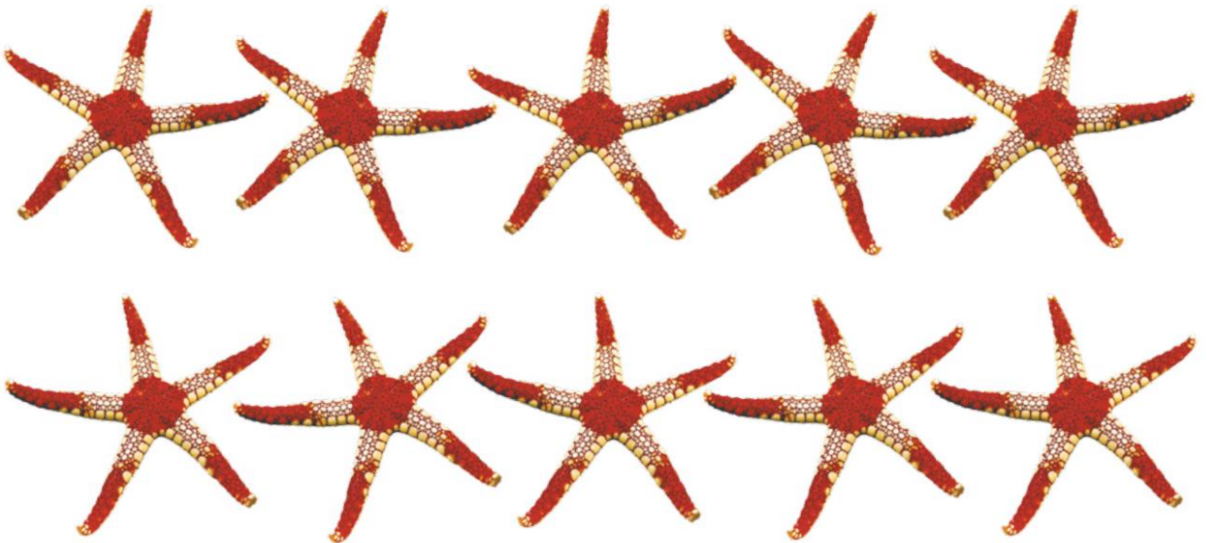
(f)



(g)



(h)



Let's Practise

1 Match each number to the correct number of items.



1



2



3



4



5



2 Match each word to the correct number of items.



eight



ten



six



Game TIME



Stand up and walk around your classroom.

Your teacher will call out a number.

As fast as you can, form a group with that number of people.



If you cannot form a group, sit down. The last learners standing at the end are the winners!



Counting to 20

Let's Learn Together

- 1 How many seashells are there?
First count to 10. Then count on.



... 11, 12, 13.
There are 13
seashells.



2

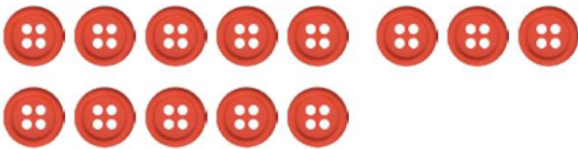
Count on from 10.



11
eleven



12
twelve



13
thirteen

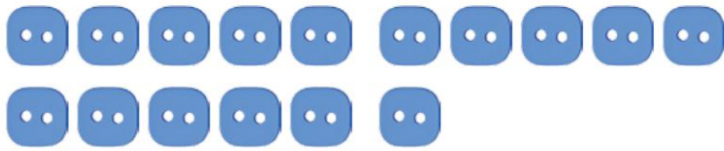


14
fourteen

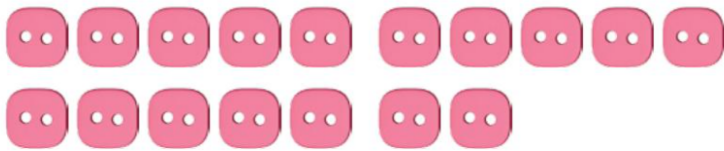


15
fifteen





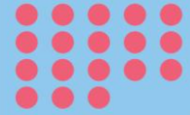
16
sixteen



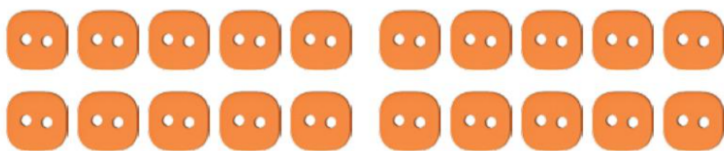
17
seventeen



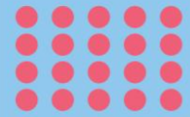
18
eighteen



19
nineteen



20
twenty

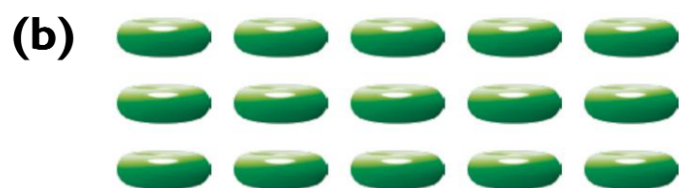


Let's Try It

Make a group of 10. Then count on.



10 and make .



10 and make .



10 and make .



10 and make .

