

White Rose  
**MATHS**

White Rose Maths Edition

**POWER  
MATHS**

# Year 1 Textbook

# IC



Pearson

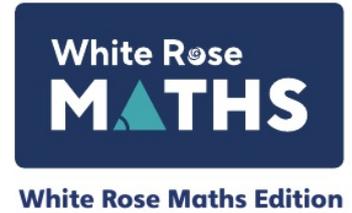
Series Editor: Tony Staneff





# Year 1 Textbook 1C

Series Editor: Tony Staneff



helpful



**Sparks**

flexible



**Flo**

curious



**Ash**

determined



**Dexter**

Series editor: Tony Staneff

Lead author: Josh Lury

Consultants (first edition): Professor Liu Jian and Professor Zhang Dan

Author team (first edition): Tony Staneff, Josh Lury, Kelsey Brown, Jenny Lewis, Beth Smith, Paul Wrangles, Liu Jian, Zhou Da, Zhang Dan, Yan Lili and Wang Mingming



# Contents

## Unit 11 – Multiplication and Division

Count in 2s  
Count in 10s  
Count in 5s  
Equal groups  
Add equal groups  
Make arrays  
Make doubles  
Grouping  
Sharing  
End of unit check

## Unit 12 – Fractions

Recognise and find a half of a shape  
Recognise and find a half of a quantity  
Recognise and find a quarter of a shape  
Recognise and find a quarter of a quantity  
End of unit check

## Unit 13 – Position and Direction

Describe turns  
Describe position – left and right  
Describe position – forwards and backwards  
Describe position – above and below  
Ordinal numbers  
End of unit check

6  
8  
12  
16  
20  
24  
28  
32  
36  
40  
44

46  
48  
52  
56  
60  
64

66  
68  
72  
76  
80  
84  
88

This shows us what page to turn to.



## Unit 14 – Numbers to 100

Count from 50 to 100	90
10s to 100	92
Partition into 10s and 1s	96
Number line to 100	100
One more and one less	104
Compare numbers	108
End of unit check	112

## Unit 15 – Money

Recognise coins	118
Recognise notes	120
Count in coins	124
End of unit check	128

## Unit 16 – Time

Before and after	134
Days of the week	136
Months of the year	140
Tell the time to the hour	144
Tell the time to the half hour	148
End of unit check	152
What we have learnt	156

I wonder what new things we will find!



# How to use this book



Do you remember how to use Power Maths?

These pages help us get ready for a new unit.



**Unit II**  
Multiplication and division

In this unit we will ...  
✦ Count in 2s, 10s and 5s  
✦ Make and add equal groups  
✦ Make arrays  
✦ Make doubles

We will need some maths words. Have you heard any of these before?

equal group   array   row  
column   double   share

An array will be useful. How many flowers are there? Is there a quicker way to count them?

We will use ten frames to help us find doubles. What is double 3?

$3 + 3 = 6$

6 7

## Discover

Lessons start with Discover.

Have fun exploring new maths problems.

Unit 11: Multiplication and Division, Lesson 1

Count in 2s

Discover

a) Count the wheels in 1s.  
b) Count the wheels in 2s.

8

# Share

Next, we share what we found out.

Did we all solve the problems the same way?

**Share**

a)   
There are 10 wheels.

b) Each bike has 2 wheels.  
  
There are 10 wheels.

I learnt a new counting pattern for this question.

I practised the counting pattern over and over.

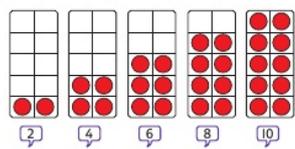
# Think together

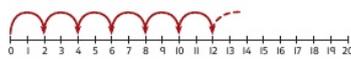
Then we have a go at some more problems together.

We will try a challenge too!

This tells you which page to go to in your Practice Book.

**Think together**

1 Practise counting in 2s up to 10.  


2 Count in 2s. Keep going!  


3 Count each set in 2s. **Challenge**  
a)   
b)   
c)   
d)   
e)   
f) 

I can see I will miss out some numbers.

I wonder how I will know when to stop the count each time.



At the end of a unit we will show how much we can do!

**End of unit check**

Your teacher will ask you these questions.

1 Which sentence describes the picture?  
  
 5 groups of 5 stars.    5 groups of 4 stars.  
 4 groups of 4 stars.    4 groups of 5 stars.

2 10 people can fit in each bus.  
How many people can fit in these buses in total?  
  
 10    4    40    14

3 Which number completes both sentences?  
8 is double .   Double 2 is .  
 4    8    1    2

4 These 15 cubes are put in groups of 3.  
How many equal groups will there be?  
 3 groups of 3    3 groups of 5  
 5 groups of 3    5 groups of 5

**Think!**  
Who is correct?  
 This is double 10.  
 This is 10 groups of 2.  
 I can see it as 2 groups of 10.  
 Joe   Sara   Poppy

# Unit II

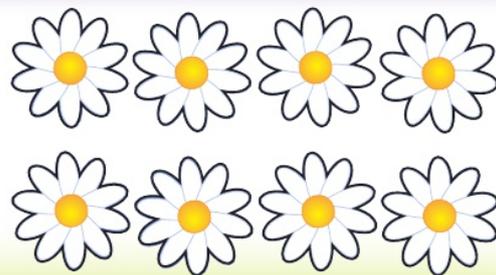
## Multiplication and division



In this unit we will ...

- ⚡ Count in 2s, 10s and 5s
- ⚡ Make and add equal groups
- ⚡ Make arrays
- ⚡ Make doubles

An array will be useful.  
How many flowers are  
there? Is there a quicker  
way to count them?





We will need some maths words. Have you heard any of these before?

equal group

array

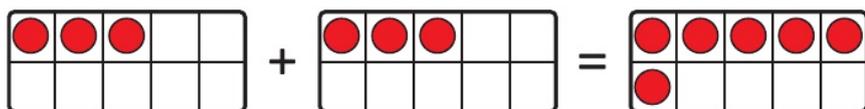
row

column

double

share

We will use ten frames to help us find doubles. What is double 3?



# Count in 2s

## Discover



- I** a) Count the wheels in 1s.
- b) Count the wheels in 2s.

# Share

a)



There are 10 wheels.

b) Each bike has 2 wheels.



There are 10 wheels.

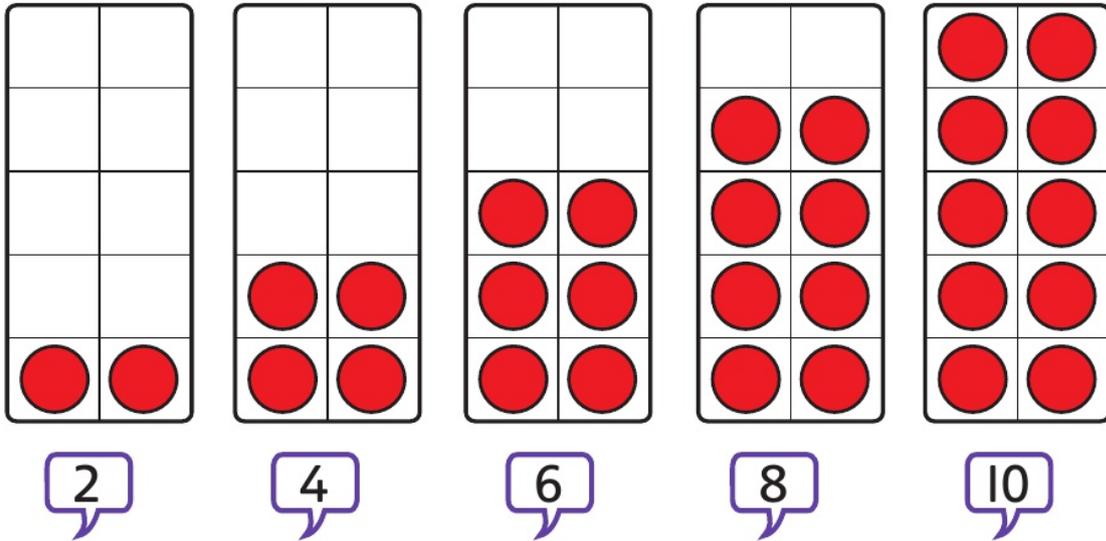
I learnt a new counting pattern for this question.

I practised the counting pattern over and over.

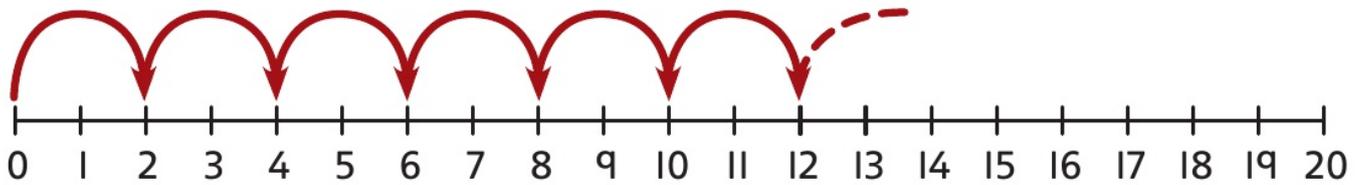


# Think together

1 Practise counting in 2s up to 10.



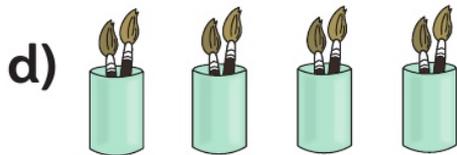
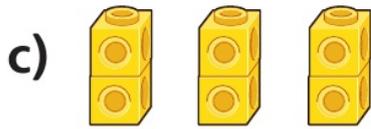
2 Count in 2s. Keep going!



I can see I will miss out some numbers.

CHALLENGE

3 Count each set in 2s.



I wonder how I will know when to stop the count each time.

# Count in 10s

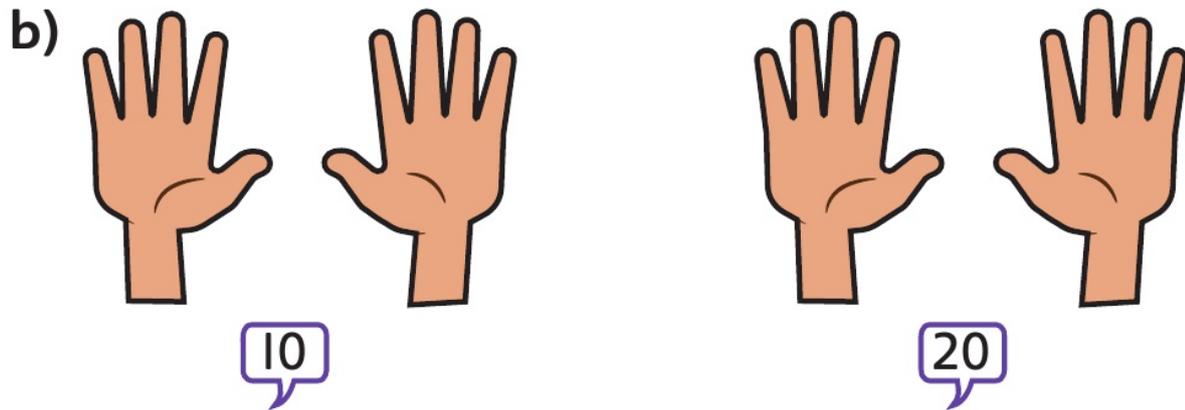
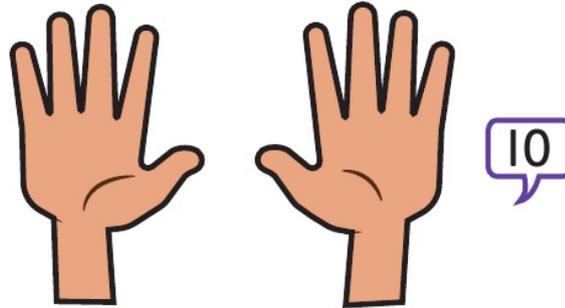
## Discover



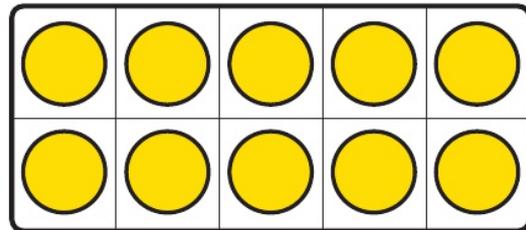
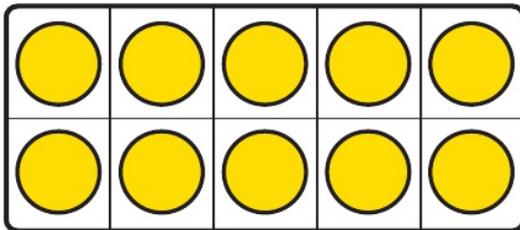
- I** a) Show 10 on your fingers or with cubes.
- b) Show 10 to a partner. They should do the same.  
What number did you both make altogether?

# Share

a) You can show 10 like this.



2 tens is 20 altogether.

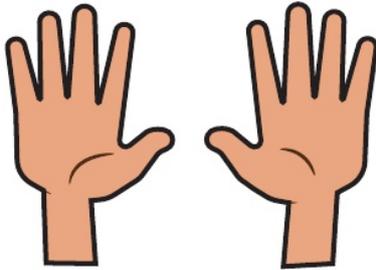


I made 2 tens  
using ten frames.

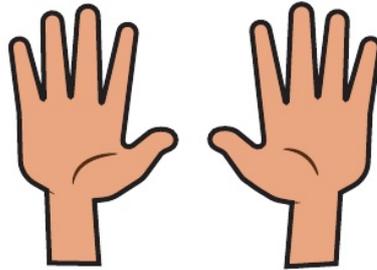


# Think together

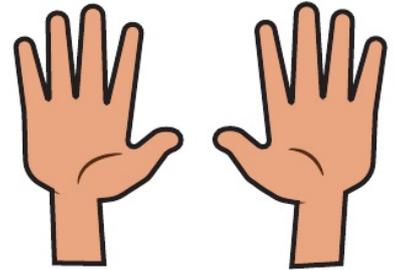
1 Count in 10s.



10



20



30

2 Count in 10s.

