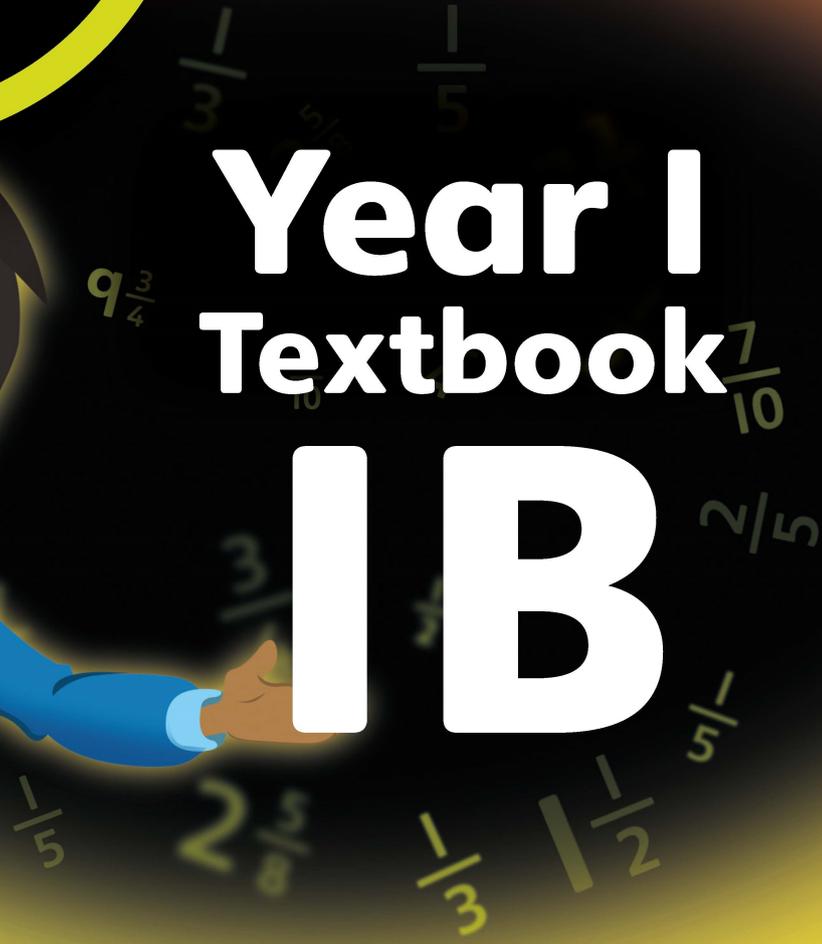


White Rose Maths Edition

Year 1 Textbook

IB



Pearson

Series Editor: Tony Staneff



Year 1 Textbook 1B



Ash

Ash is curious.
He likes to find out about new things.

helpful



Sparks

brave



Astrid

flexible



Flo

determined



Dexter

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us what page
to turn to.



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Are you ready
to continue our
maths journey?



How to use this book



Do you remember how to use Power Maths?

These pages help us get ready for a new unit.

Unit 6
Numbers to 20

In this unit we will ...
✦ Count using 10s and 1s
✦ Count one more and one less
✦ Compare numbers of objects
✦ Compare and order numbers

We will need some maths words.
Which words do you already know?

smallest order ones
tens smaller larger
one more one less less than
fewer than more than greater than
most fewest

We need this too. Which numbers are missing?

How many are there?

0 1 2 3 4 5 6 7 8 9 10

Discover

Lessons start with Discover.

Have fun exploring new maths problems.

14, 15 and 16

Discover

a) How many cars are in the car park?
b) Use counters on a ten frame to show the number.

Share

Next, we share what we found out.

Did we all solve the problems the same way?

Unit 6: Numbers to 20, Lesson 4

Share

a) I counted the cars one by one.

I saw 10 cars and then counted 4 more.

There are 14 cars.

b)

21

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.

Unit 6: Numbers to 20, Lesson 4

Think together

1 How many cars?

2 Do these show 16?

a)

b)

22

3 Complete the number sentences.

a) $10 + 4 = \square$

b) $10 + \square = 15$

c) $\square + \square = 16$

I remember these from last time.

I can see a pattern.

CHALLENGE

Practice book 10 p10

23



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

Unit 6: Numbers to 20

End of unit check

Your teacher will ask you these questions.

1 What number comes next?
sixteen, fifteen, fourteen, _____
A thirteen B thirty C three

2 Which answer does not match the ten frames?

A twelve B 12 C 1 ten and 2 ones D 1 one and 2 ones

3 One more than \square is 14.
A 15 B 13 C 5 D 11

4 $10 + 9 = \square$
A 19 B 18 C 10 + 8 D 20

5 Which number is greater than 15 but less than 18?
A 19 B 15 C 17 D 14

Think!
Which is the odd one out? Explain why.
one more than 14
thirteen
 $10 + 5$

ones tens
These words will help you. more than less than

56

Practice book 10 p11

57

Unit 6

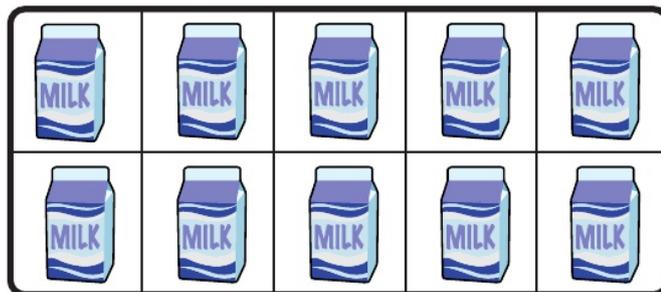
Numbers to 20



In this unit we will ...

- ⚡ Count using 10s and 1s
- ⚡ Count one more and one less
- ⚡ Compare numbers of objects
- ⚡ Compare and order numbers

How many are there?





We will need some maths words.
Which words do you already know?

smallest order ones

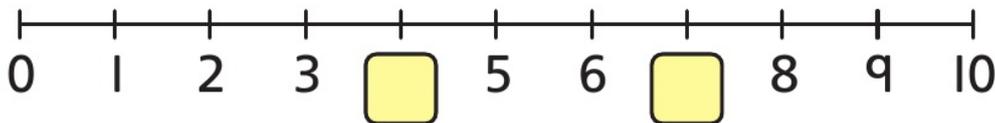
tens smaller larger

one more one less less than

fewer than more than greater than

most fewest

We need this too. Which
numbers are missing?



Count to 20

Discover



- 1 a) Count as a class from 1 to 20.
- b) Count how many children are in the class.

Share

- a)
- | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

I think that some of the numbers are harder to say.



- b)
- | | | | | |
|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 |
| | | | | |
| 6 | 7 | 8 | 9 | 10 |
| | | | | |
| 11 | 12 | 13 | 14 | 15 |
| | | | | |

There are 15 children in the class.

Think together

1 Continue the count.

9



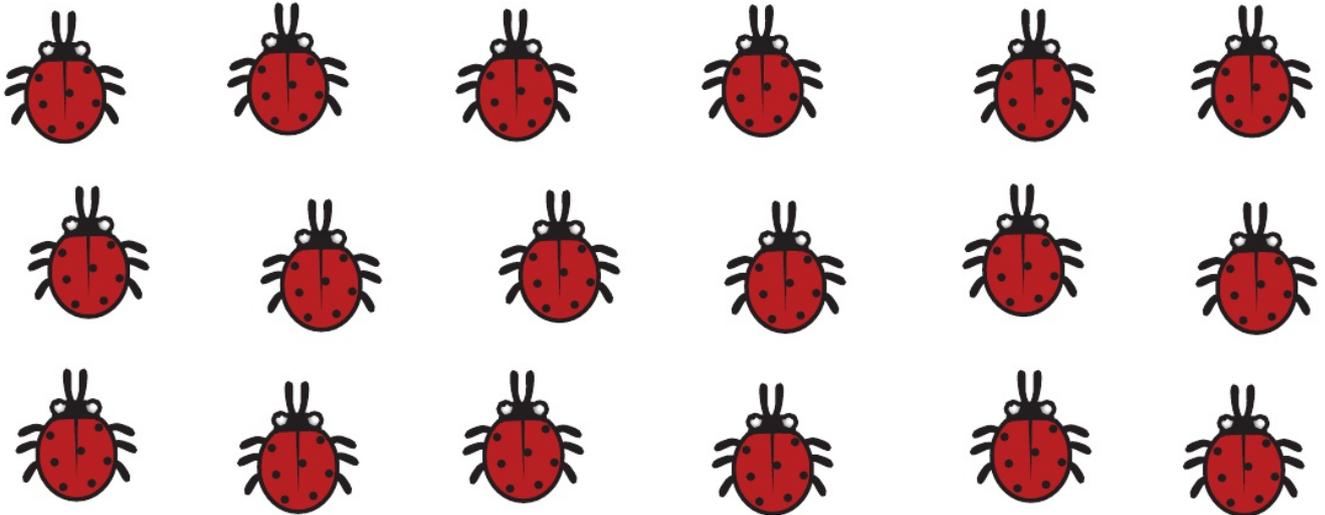
10



11



2 How many ladybirds?



I wonder how I can make sure I don't miss any.



CHALLENGE

3 Complete the number tracks.

a)

8	9		11	12			15
---	---	--	----	----	--	--	----

b)

12	13						
----	----	--	--	--	--	--	--

c)

20	19	18					
----	----	----	--	--	--	--	--



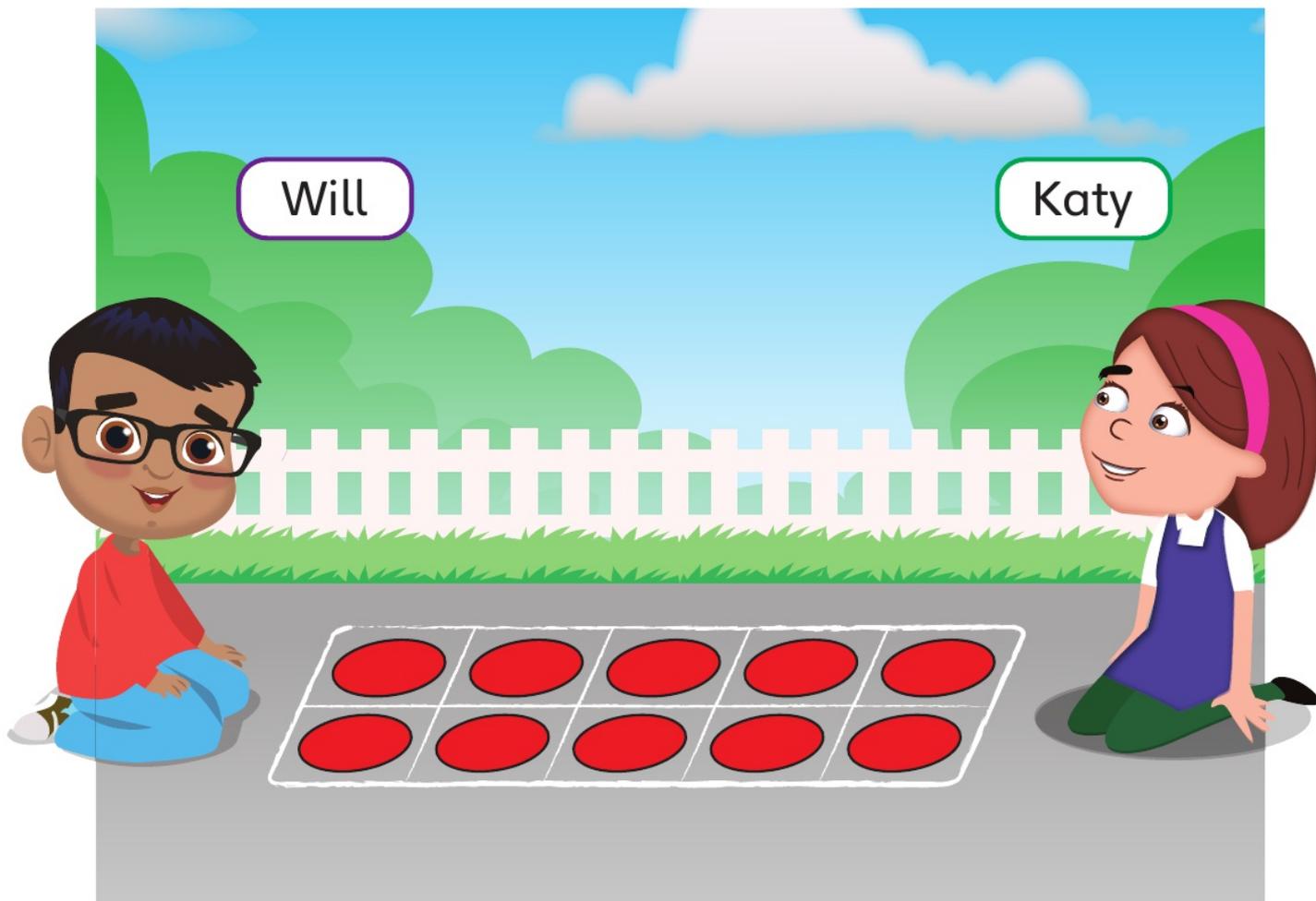
These are easy if I know the count.

I think one of them goes backwards.



Understand 10

Discover



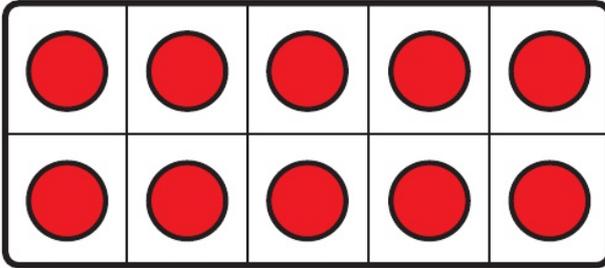
- 1** a) Will and Katy have put counters onto the ten frame.

How do you know there are 10 without counting?

- b) Show 10 in different ways.

Share

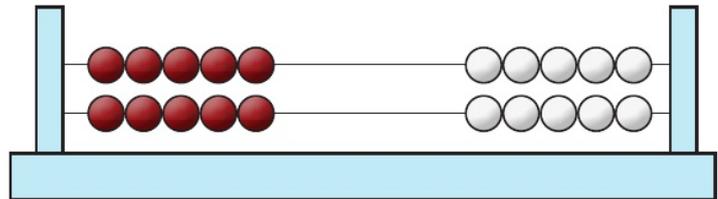
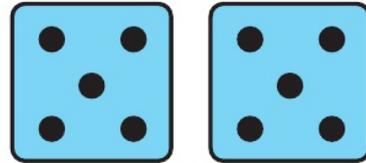
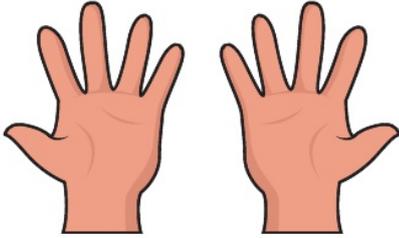
a)



The ten frame is full so I knew there were 10. I didn't need to count.



b)



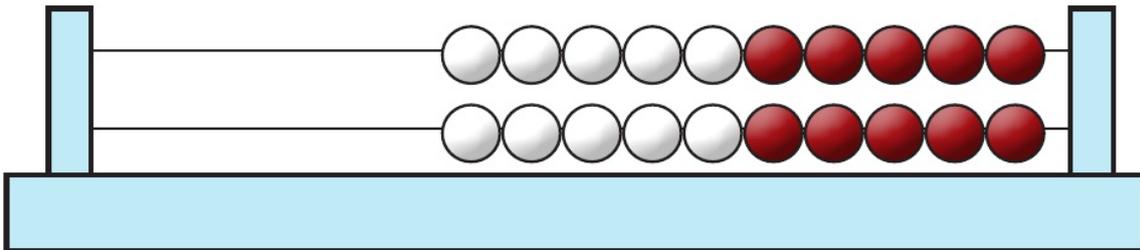
Think together

- 1 Use cubes or counters.

Fill the ten frame to show 10.



- 2 Tell a partner where you can see 10.



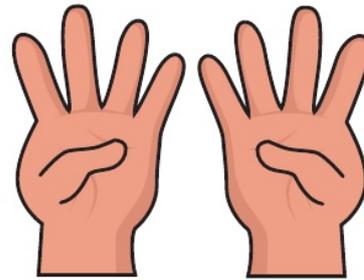
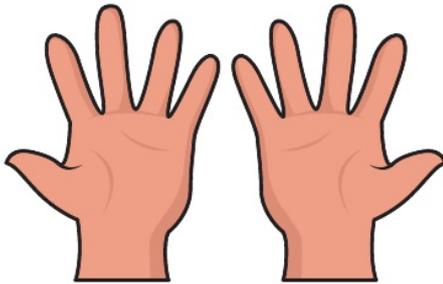
CHALLENGE

3 In each pair, which image shows 10?

a)



b)



c)



I can spot 10
without counting.

I wonder what the
other pictures show.



11, 12 and 13

Discover



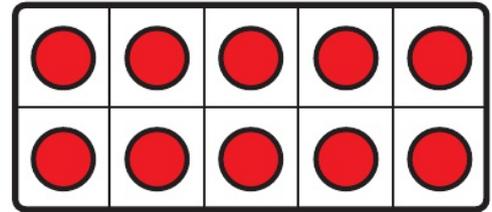
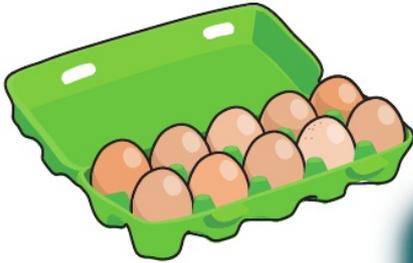
Seth

Rosa

- 1** a) How many eggs will fill the box?
b) How many eggs are on the tray?

Share

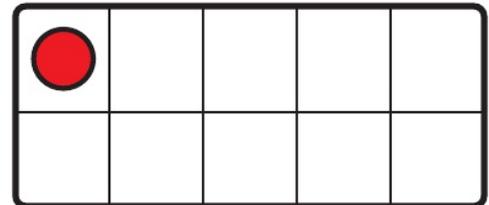
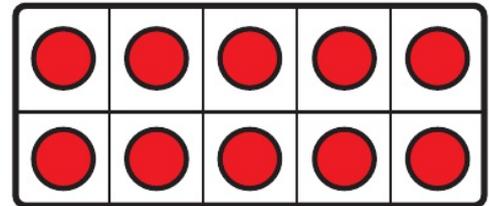
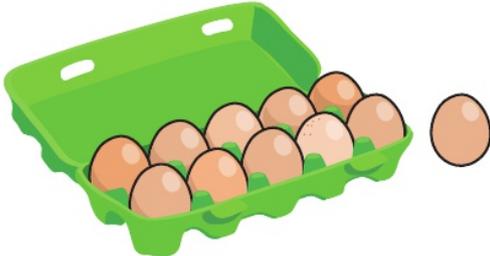
- a) 10 eggs will fill the box.



I noticed the egg box looks like the ten frame.



- b) Use counters to represent the eggs and put them on a ten frame.



There are 10 in the box and 1 more.

I **more than** 10 is 11.

There are 11 eggs on the tray.

I remember, when counting, the next number after 10 is 11.

