

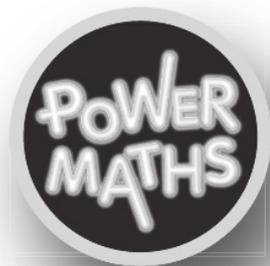
White Rose Maths Edition

Year 1 Practice Book IB



Pearson

Series Editor: Tony Staneff



Year 1 Practice Book

IB



What did you learn last term in maths?

Draw or write one thing you remember.

This book belongs to _____ .

My class is _____ .

Series editor: Tony Staneff

Lead author: Josh Lury

Consultant (first edition): Professor Liu Jian

Author team (first edition): Tony Staneff, Josh Lury, Beth Smith, Kelsey Brown, Jenny Lewis, Stephen Monaghan, Zhou Da, Liu Jian, Zhang Dan and Zhang Hong



Contents

Unit 6 – Numbers to 20

Count to 20	6
Understand 10	6
11, 12 and 13	9
14, 15 and 16	12
17, 18 and 19	15
Understand 20	18
One more and one less	21
The number line to 20	24
Label number lines	27
Estimate on a number line	30
Compare numbers to 20	33
Order numbers to 20	36
End of unit check	39

Unit 7 – Addition and subtraction within 20

Add by counting on within 20	42
Add ones using number bonds	44
Find and make number bonds to 20	44
Doubles	47
Near doubles	50
Subtract ones using number bonds	53
Subtraction – count back	56
Subtraction – find the difference	59
Related facts – fact families	62
Missing number problems	65
Solve word and picture problems – addition and subtraction	68
End of unit check	71
	74
	77

I can't wait to have a go at these things!



Unit 8 – Numbers to 50	79
Count to 50	79
Numbers to 50	82
20, 30, 40 and 50	85
Count by making groups of 10s	88
Groups of 10s and 1s	91
Partition into 10s and 1s	94
One more, one less	97
End of unit check	100
Unit 9 – Introducing length and height	102
Compare lengths and heights	102
Measure length (non-standard units of measure)	105
Measure length (using a ruler)	108
Solve word problems – length	111
End of unit check	114
Unit 10 – Introducing mass and capacity	116
Heavier and lighter	116
Measure mass	119
Compare mass	122
Full and empty	125
Measure capacity	128
Compare capacity	131
Solve word problems – mass and capacity	134
End of unit check	137
My power points	139

We will show what we have done in My power points.



How to use this book

Let's see how this Practice Book works!



This shows you pages from the Textbook.

You will learn how to answer the questions in your class.

Unit 6: Numbers to 20, Lesson 4

14, 15 and 16

Discover

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

Share

a) I counted the cars one by one.

6 7 8 9 10

I saw 10 cars and then counted 4 more.

There are 14 cars.

b)

Unit 6: Numbers to 20, Lesson 3

Date: _____

One more and one less

1 a) What is one more than 15?

b) What is one less than 13?

2 There are 12 cars.

One more car arrives.
How many cars are there now?

Have a go at questions by yourself using this Practice Book.



Challenge questions make you think hard!



Questions with this light bulb make you think differently.

Reflect

Answer a **Reflect** question to show how much you have learnt.

Reflect

Write a number in the middle box.

Fill in the other boxes to show one less and one more.

one less	number	one more
<input type="text"/>	<input type="text"/>	<input type="text"/>

My journal

Fill in **My journal** at the end of a unit.

This will help you show how much you can do now.

Date: _____ Unit 7: Addition and subtraction within 20

End of unit check

My journal

Work out the value of these shapes.
Explain how you did it.

$10 = \star + 7$ $20 - \star = \triangle$ $\triangle + 1 = \square$

First, I worked out what \star was by _____.

Then, I worked out what \triangle was by _____.

Then, I worked out what \square was by _____.

These words will help you.

adding	subtracting
ten	twenty
bond	more

77

Date: _____ Unit 7: Addition and subtraction within 20

Power check

How do you feel about your work in this unit?



Power puzzle

Complete each puzzle by finding the missing numbers.
The totals are given for every row and column.

<input type="text"/>	+	5	=	20
<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>
<input type="text"/>	=	q		

<input type="text"/>	+	<input type="text"/>	=	15
<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>
3	+	<input type="text"/>	=	5
<input type="text"/>	=	2	=	8

I need to check all the additions and subtractions.



78

Show here how you got on with your practice.

Have fun with the Power puzzles and Power plays.

Count to 20

1 Continue each count.

a) 

b) 

c) 

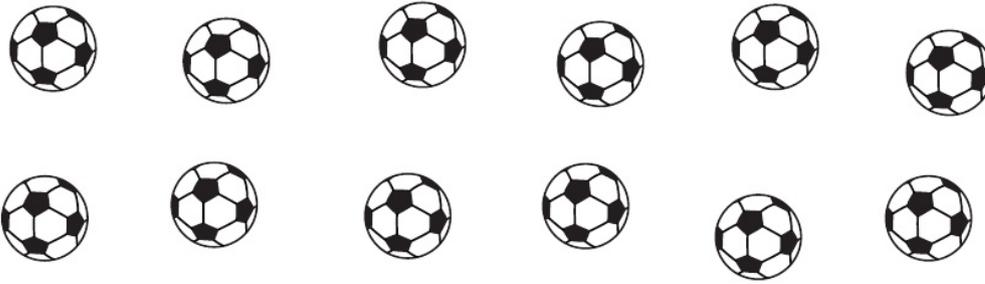
2 Mia is counting from 1 to 20.



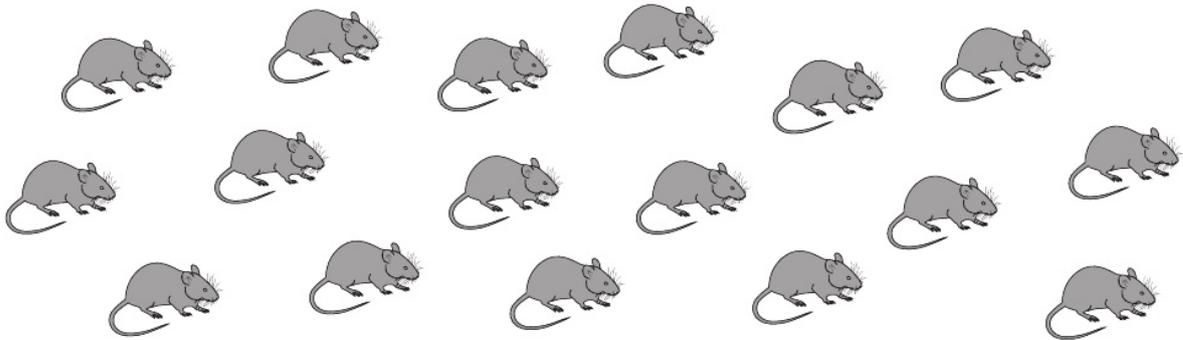


Is Mia right? Discuss with a partner.

3 How many footballs?



4 How many mice?



5 Complete the number tracks.

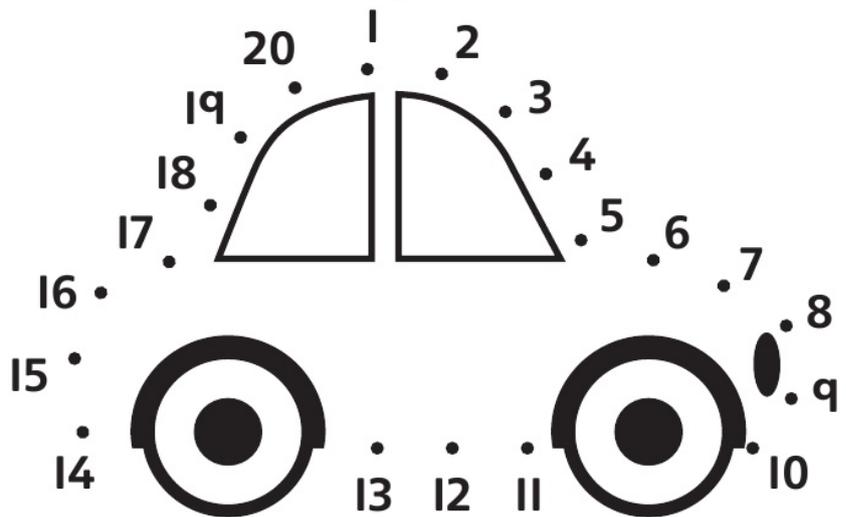
a)

10	11	12					
----	----	----	--	--	--	--	--

b)

6	7						
---	---	--	--	--	--	--	--

6 Join the dots. 



7 Complete the number tracks.



a)

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

b)

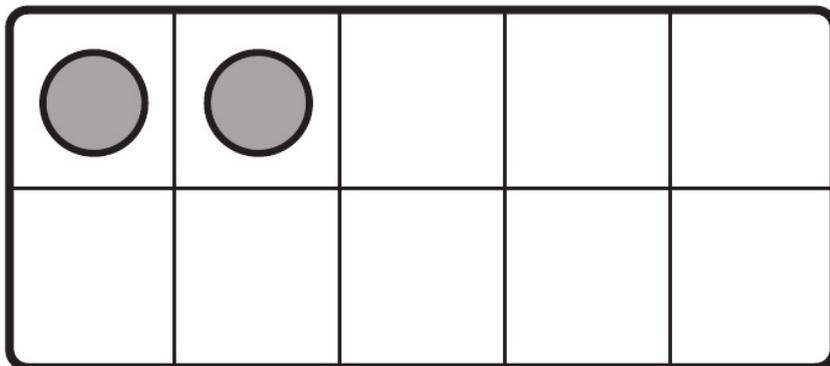
1	2	3	4		6		8		10
11		13			16	17			20

Reflect

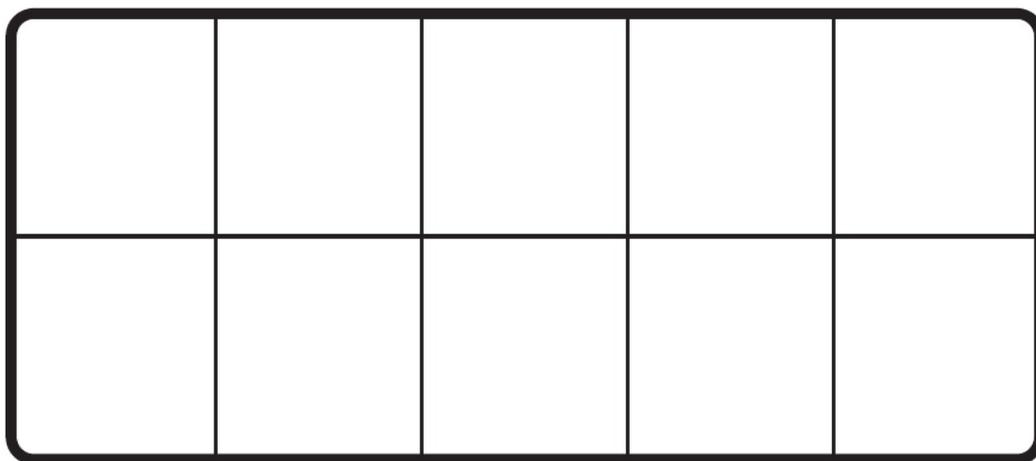
Count on from 1 to 20, as a class.
 Count back from 20 to 1, as a class.

Understand 10

1 Draw more counters to show 10.



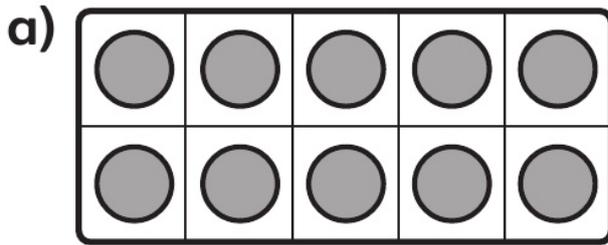
2 a) Fill the ten frame with counters.

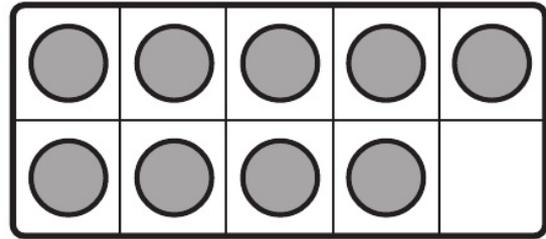


b) How many counters?

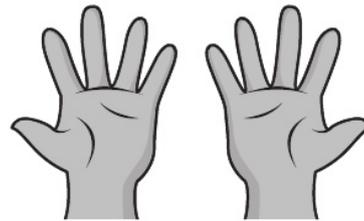
c) Tell a partner how you know.

3 Tick the one that shows 10.



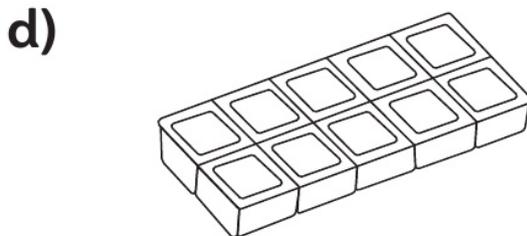


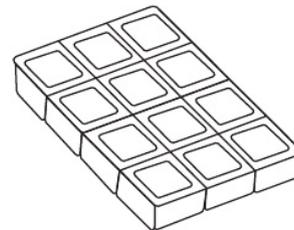


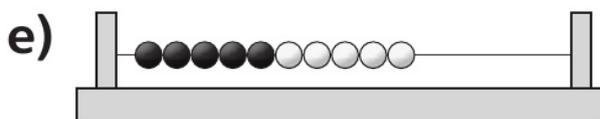


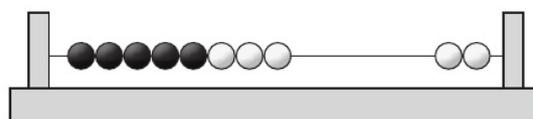




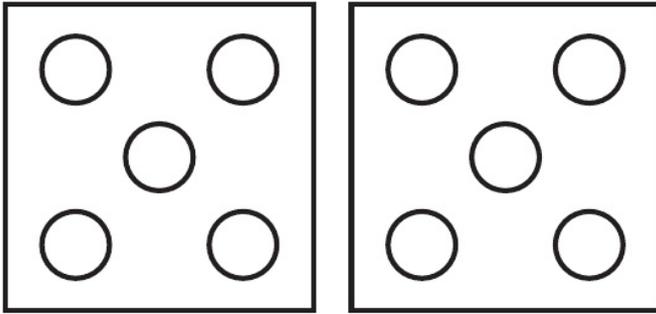




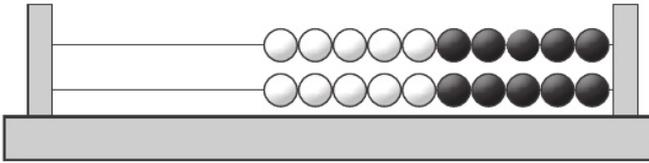




4 Shade in 10.



5 Show where you can see 10.



I can see 10 in
different ways.



CHALLENGE

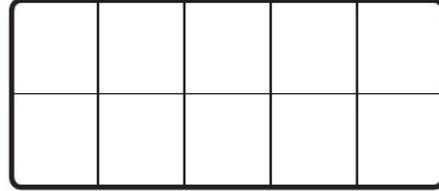
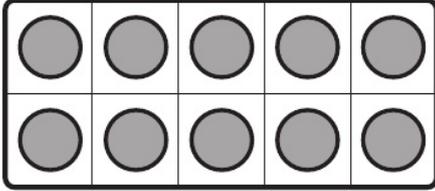
Reflect

Show 10 in different ways.

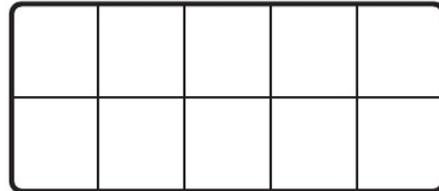
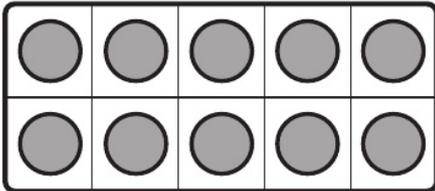


11, 12 and 13

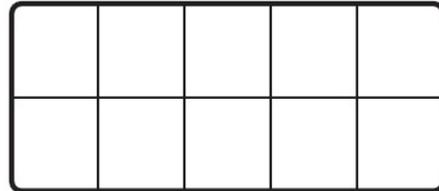
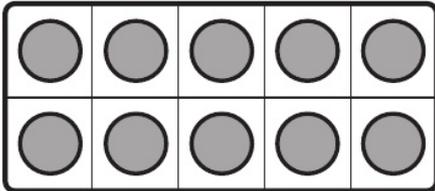
1 a) Draw more counters to show 11.



b) Draw more counters to show 12.



c) Draw more counters to show 13.



2 Tick the one that shows 12.

