

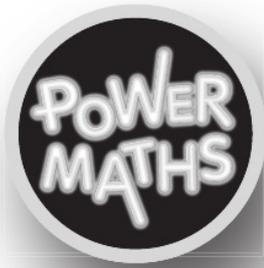
White Rose Maths Edition

Year 2 Practice Book 2A



Pearson

Series Editor: Tony Staneff



Year 2 Practice Book 2A



What do you look like?
Draw a picture of you.

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, Kelsey Brown,
Liu Jian, Zhang Dan and Wang Mingming



Contents

Unit 1 – Numbers to 100

Numbers to 20	6
Count in 10s	6
Count in 10s and 1s	9
Recognise 10s and 1s	12
Build a number from 10s and 1s	15
Use a place value grid	18
Partition numbers to 100	21
Partition numbers flexibly within 100	24
Write numbers to 100 in expanded form	27
10s on a number line to 100	30
10s and 1s on a number line to 100	33
Estimate numbers on a number line	36
Compare numbers (1)	39
Compare numbers (2)	42
Order numbers	45
Count in 2s, 5s and 10s	48
Count in 3s	51
End of unit check	54

Unit 2 – Addition and subtraction (1)

Fact families	57	59
Learn number bonds	59	59
Add and subtract two multiples of 10	62	62
Complements to 100 (tens)	65	65
Add and subtract 1s	68	68
Add by making 10	71	71
Add using a number line	74	74
Add three 1-digit numbers	77	77
Add to the next 10	80	80
Add across a 10	83	83
Subtract across a 10	86	86
	89	89

We will practise different ways to solve problems!



Subtract from a 10	92
Subtract a 1-digit number from a 2-digit number – across 10	95
End of unit check	98
Unit 3 – Addition and subtraction (2)	100
10 more, 10 less	100
Add and subtract 10s	103
Add two 2-digit numbers – add 10s and add 1s	106
Add two 2-digit numbers – add more 10s then more 1s	109
Subtract a 2-digit number from a 2-digit number – not across 10	112
Subtract a 2-digit number from a 2-digit number – across 10	115
How many more? How many fewer?	118
Subtraction – find the difference	121
Compare number sentences	124
Missing number problems	127
Mixed addition and subtraction	130
Two-step problems	133
End of unit check	136
Unit 4 – Properties of shapes	138
Recognise 2D and 3D shapes	138
Count sides on 2D shapes	141
Count vertices on 2D shapes	144
Draw 2D shapes	147
Lines of symmetry on shapes	150
Sort 2D shapes	153
Make patterns with 2D shapes	156
Count faces on 3D shapes	159
Count edges on 3D shapes	162
Count vertices on 3D shapes	165
Sort 3D shapes	168
Make patterns with 3D shapes	171
End of unit check	174
My Power Points	176



How to use this book

Let's see how this Practice Book works!



Use the Textbook first to learn how to solve this type of problem.

Unit 3: Addition and subtraction (1), Lesson 2

Add and subtract 10s

Discover

1 a) How many toffee apples are on the table?
How many toffee apples are on the ground?
b) How many toffee apples are there in total?

140

Unit 3: Addition and subtraction (2), Lesson 2

Share

a) There are 16 toffee apples on the table.
There are 30 toffee apples on the ground.

b) There are 6 ones in total.
There are 4 tens in total.

I used base 10 equipment to make each number.

I know that 1 ten and 3 tens makes 4 tens.

$16 + 30 = 46$
There are 46 toffee apples in total.

141

Date: _____ Unit 3: Addition and subtraction (2), Lesson 2

Add and subtract 10s

1 Complete the number sentences.

a) $28 + 30 = \square$

T	O

I used number bonds to help me.

b) $42 + 20 = \square$

T	O

2 Complete the number sentences.

a) $51 + 30 = \square$ c) $22 + 40 = \square$
b) $32 + 20 = \square$ d) $35 + 20 = \square$

This shows you which Textbook page to use.

Have a go at questions by yourself using this Practice Book. Use what you have learnt.



Challenge questions make you think hard!



Questions with this light bulb make you think differently.

Reflect

Each lesson ends with a Reflect question so you can show how much you have learnt.

Show what you have done in My Power Points at the back of this book.

Reflect

Fill in the missing digits to complete the number sentences.

$$\square 6 - \square 0 = 76$$

$$\square 6 - \square 0 = 36$$

Did you get the same as your partner?

105



My journal

At the end of a unit your teacher will ask you to fill in My journal.

This will help you show how much you can do now that you have finished the unit.

Unit 2: Addition and subtraction (2) Date: _____

End of unit check

My journal

Circle the odd one out.
Prove it.

37	28
----	----

 $\square = 46 + 19$

It is the odd one out because _____

 These words will help you.

ones tens
add subtract
equals

136

Unit 3: Addition and subtraction (2)

Power check

How do you feel about your work in this unit?



Power puzzle

Using the digit cards 1–9, make three unequal piles that total the same amount.

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

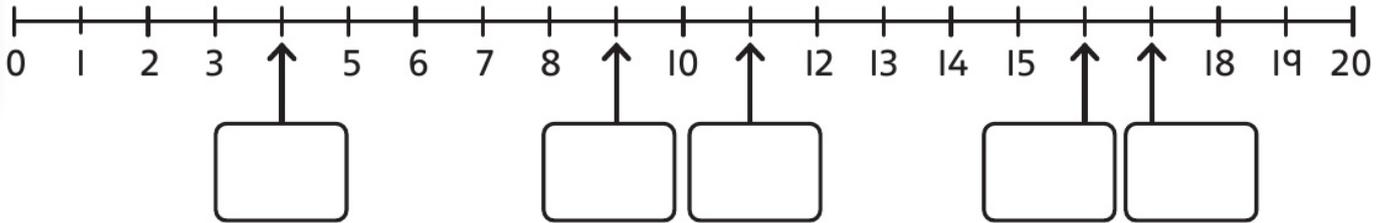
Pile 1: _____
Pile 2: _____
Pile 3: _____

Can you solve the puzzle with equal piles?
How many ways can you find?
Now try with the cards 2 to 10.

137

Numbers to 20

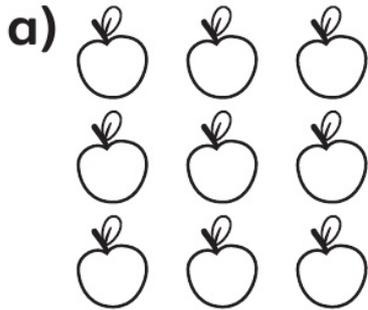
1 Fill in the missing numbers.

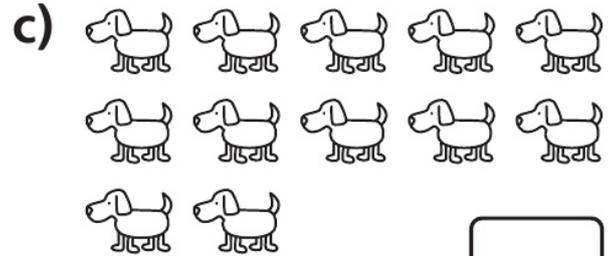


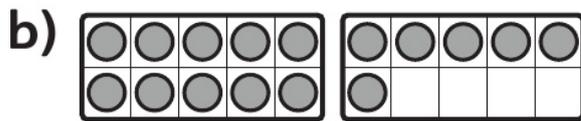
2 Cross out numbers **less than** 13.
Circle numbers **greater than** 17.

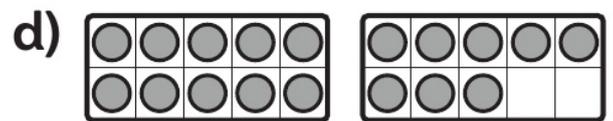
A collection of numbers in boxes. The numbers are: 15, 6, 2, 12, 9, 0, 20, 7, 1, 4, 8, 10, 18, 14, 16, 11, 5, 3, 19, 13, 17. The number 2 is crossed out with a large X. The number 20 is circled.

3 Write the numbers.

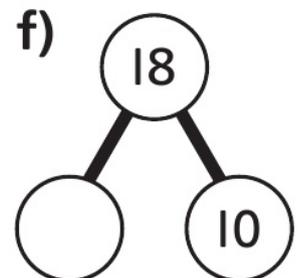
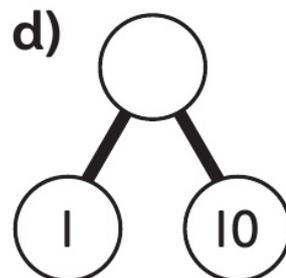
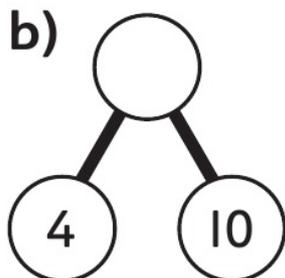
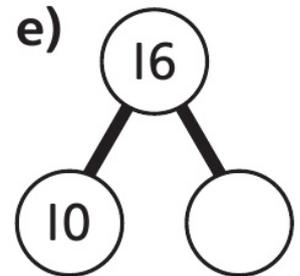
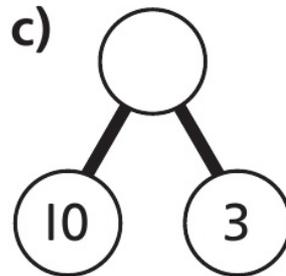
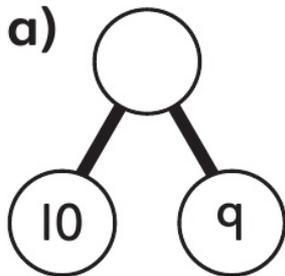








4 Complete the part-whole models.



5 Write each set of numbers in order.

a)

11

3

10

Smallest

Greatest

b)

16

6

20

Smallest

Greatest

c)

14

19

9

6

Smallest

Greatest

Reflect

Which numbers are between 8 and 15?

- _____
- _____
- _____
- _____
- _____

Count in 10s

1 Complete the counts.



10



20



10



20



30



10



20



30



10



20



30



10



20



30



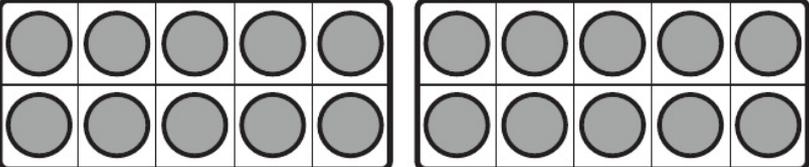
2 Complete the number track.

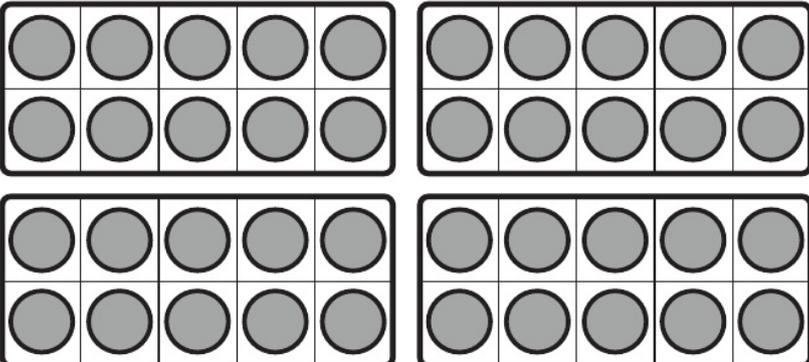


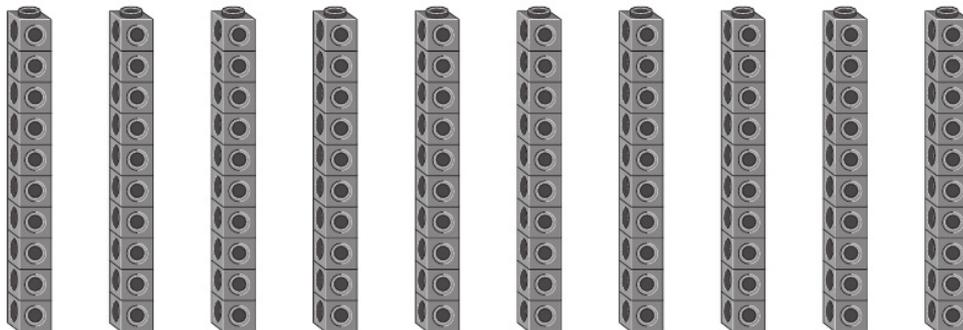
3 Shade all the 10s.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

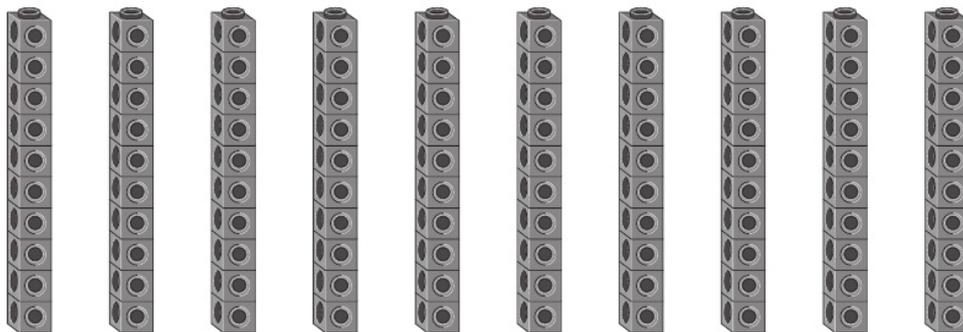
4 Write each number.

a) 

b) 

CHALLENGE**5** a) Circle 10s to make 60.

b) Circle 10s to make 70.



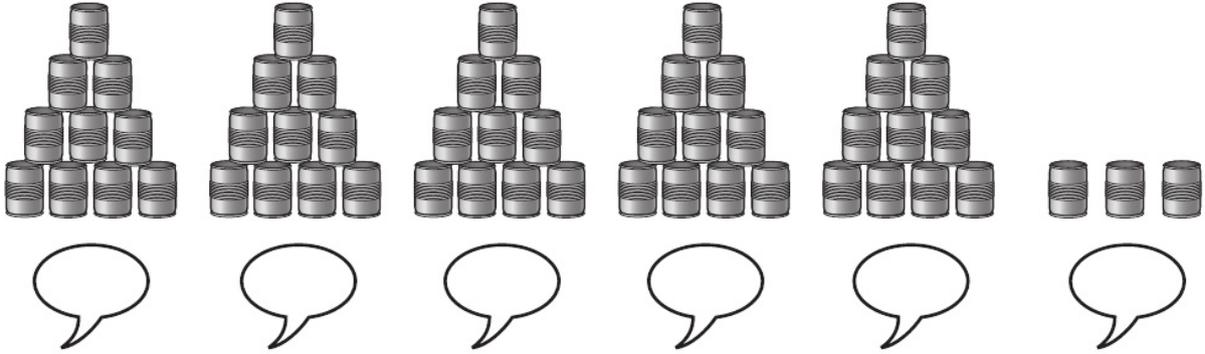
Reflect

Count in 10s to 100.

Count with a partner. Take it in turns.

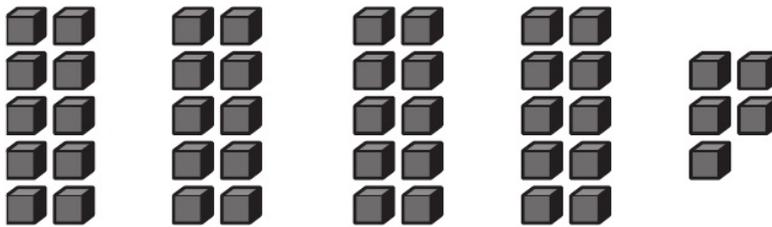
Count in 10s and 1s

1 Count the cans.



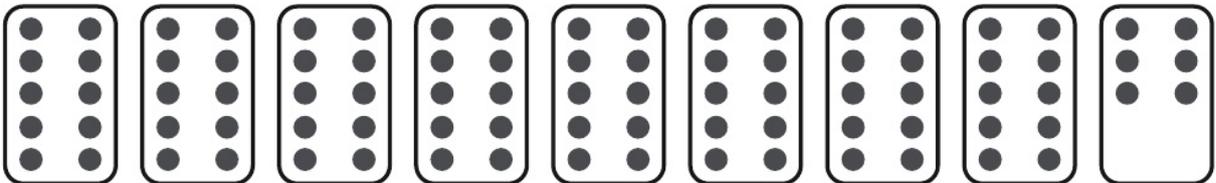
cans

2 Count the cubes.



cubes

3 Count the dots.



dots

4 Is Kat correct? 

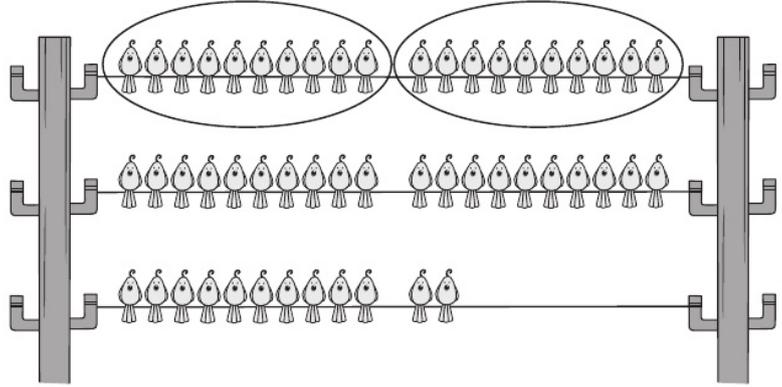
2 tens are the same as 20 ones.



Kat

Show a partner using counters and ten frames.

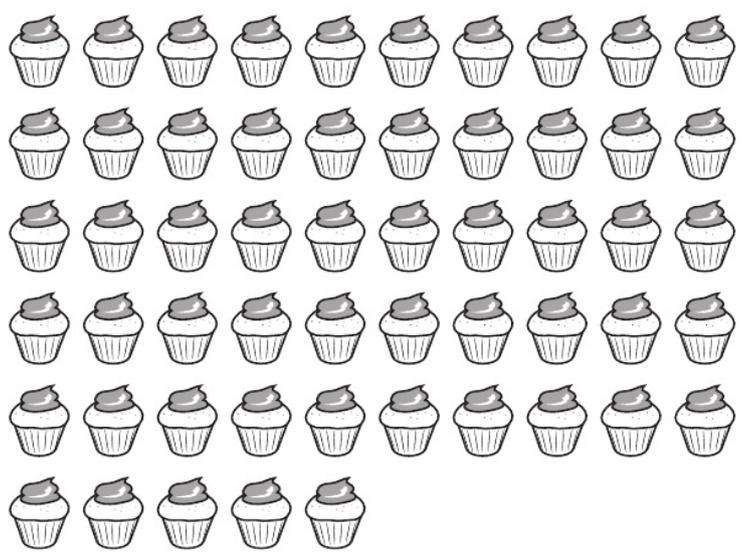
5 Count by making 10s.

a) 

birds

b) 

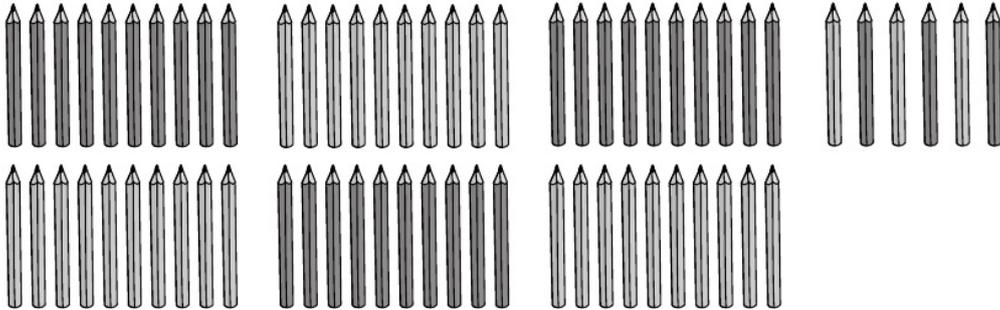
fingers

c) 

cakes

6 Count in 10s and 1s.

a) 

b) 

7 Play a game.

Count out 99 counters.

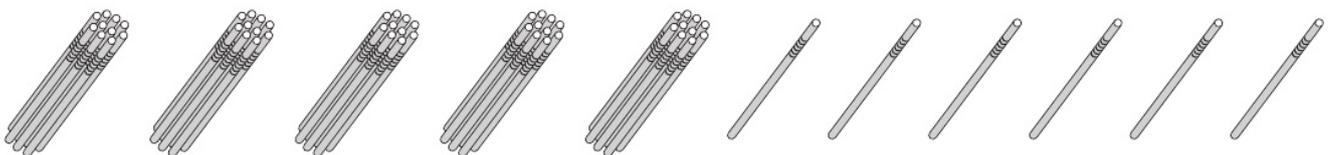
Arrange them to show 10s and 1s.

Try to make different patterns.



Reflect

Count these with a partner.



Recognise 10s and 1s

1 Count in 10s and 1s.

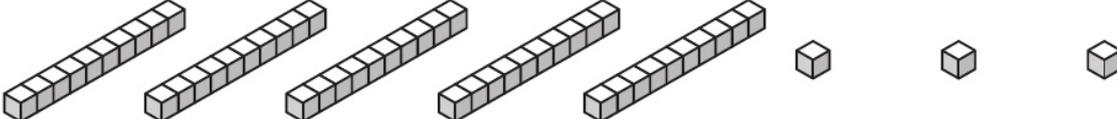
a)



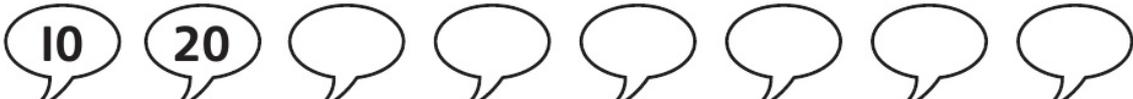
10 20



b)

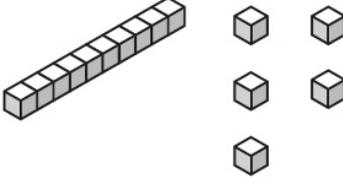


10 20

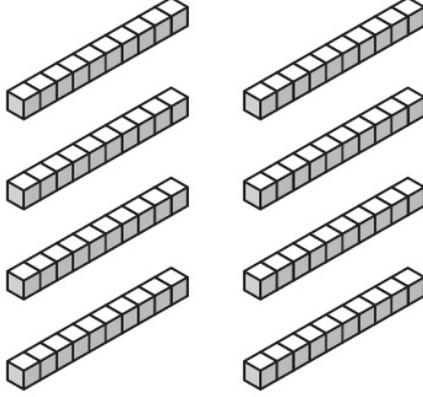


2 Write the numbers.

a)



b)



3 Draw lines to join the matching numbers.

