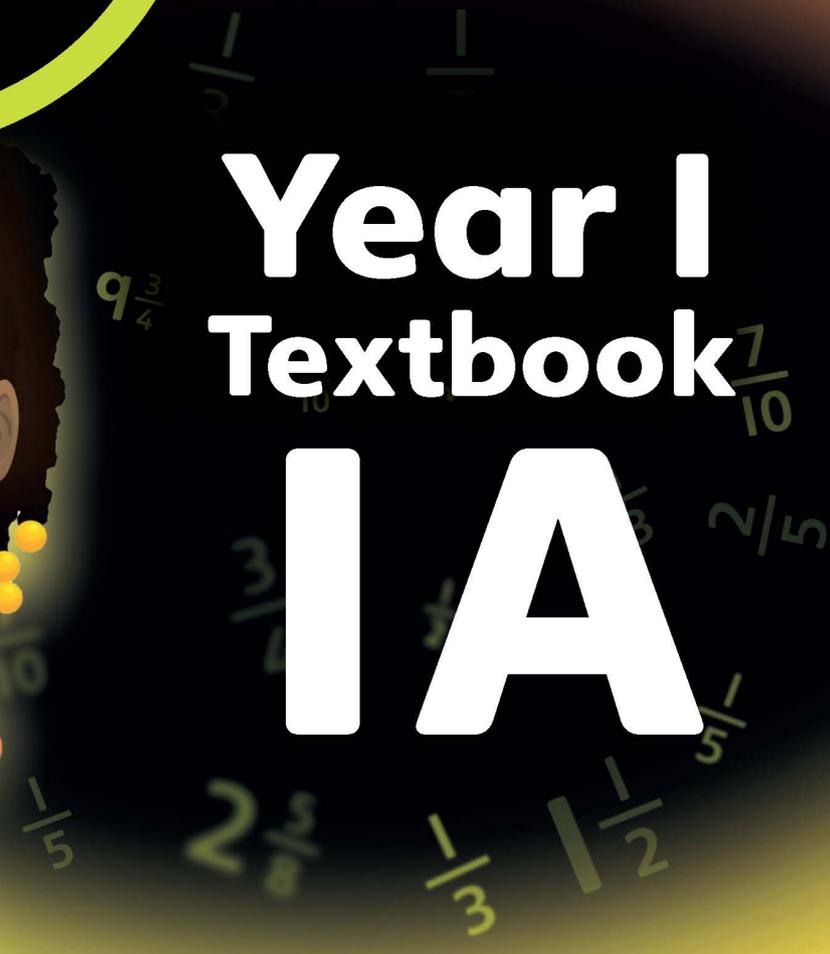


# Year 1 Textbook 1A







# Year 1 Textbook 1A



helpful



**Sparks**

brave



**Astrid**

curious



**Ash**

determined



**Dexter**

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Lead author: Josh Lury

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

Author team (first edition): Tony Staneff, Josh Lury,  
Beth Smith, Liu Jian, Zhang Dan and Huang Lihua



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<, > or =  
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End of unit check

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This shows  
us what page  
to turn to.



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# How to use this book



Let's see how Power Maths works!

These pages help us get ready for a new unit.

**Unit 3**  
Addition within 10

In this unit we will ...  
✂ Add parts to find the whole  
✂ Add more  
✂ Find a missing part  
✂ Solve word problems

Do you remember what this is called? Use it to find one more than 3.

We will need some maths words. Which ones mean the same thing?

altogether (say 'all-too-geth-er')

in total   add   added  
missing part   count on  
number stories

We will use a part-whole model too. Use these to make number sentences.

98

99

## Discover

Lessons start with Discover.

Have fun exploring new maths problems.

Unit 3: Addition within 10, Lesson 1

**Add together**

Discover

**1** a) How many children are sitting?  
How many children are standing?

b) How many children are there altogether?

100

# Share

Next, we share what we found out.

Did we all solve the problems the same way?

Unit 2: Addition with 10, Lesson 1

**Share**

There are two parts.

a) There are 6 children sitting.  
There are 4 children standing.

b) There are 10 children altogether.  
 $6 + 4 = 10$

You can **add** to find how many altogether.

101

# 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 2: Addition with 10, Lesson 1

**Think together**

1 How many counters are there altogether?

$3 + 3 = \square$

2 How many dots can you see?

$\square + \square = \square$

3 Work out the answers.

$5 + 2 = \square$        $2 + 6 = \square$

$7 + 1 = \square$        $3 + 3 = \square$

CHALLENGE

We can make each part with counters.

Then we can count how many counters we have altogether.

102

103

Practice book 10, p10



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

Unit 2: Addition with 10

**End of unit check**

Your teacher will ask you these questions.

1 Which number sentence gives the total?  
  $4 + 2 = 6$       $6 + 2 = 8$   
  $2 + 4 = 4$       $2 + 6 = 0$

2 Ram has 5 counters.  
Kat has 4 counters.  
Which number line shows the total number of counters?

3  $3 + \square = 7$   
What is the missing number?  
 4     10     4     0

4 Max has 4 apples.  
He gets 3 more.  
How many apples does he have now?  
 4     5     7     8

5 Which number sentence works out how many cubes in total?  
  $2 + 7 = 9$       $9 + 6 + 3$   
  $5 + 4 = 8$       $9 = 5 + 4$

**Think!**  
Choose an odd one out.  
Explain your choice.  $10 = 5 + 5$

These words will help you.

part	whole	total
add	number	number

106

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Practice book 10, p10

# Unit 1

## Numbers to 10

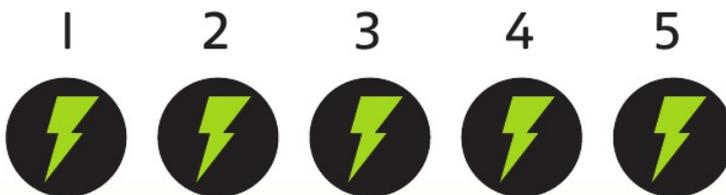


In this unit we will ...

- ⚡ Sort and count objects to 10
- ⚡ Represent numbers to 10
- ⚡ Count one more and one less
- ⚡ Count backwards from 10 to 0
- ⚡ Compare and order numbers
- ⚡ Learn to use a number line

You can count to find  
how many there are.

How many ⚡ are there?



We will need some maths words.  
Do you know some of these?



sort

groups

one more

one less

count on

count back

count up

smallest

most

greatest

fewer

fewest

pattern

less than (<)

greater than (>)

equal to (=)

number line

Do you remember how  
to say these numbers?  
Count to 10!



1 2 3 4 5 6 7 8 9 10

# Sort objects

## Discover

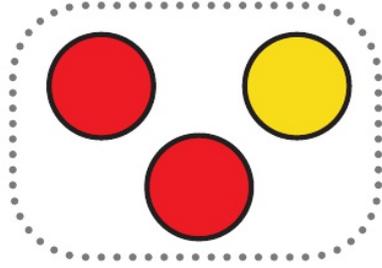


1 a) Sort the ○ and  into two groups.

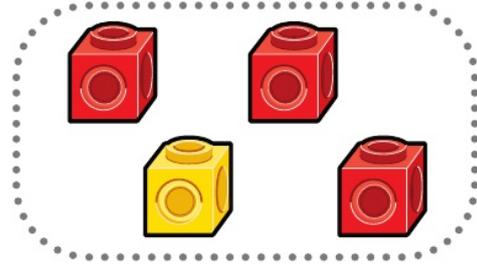
b) Sort the fruit. What groups did you make?

## Share

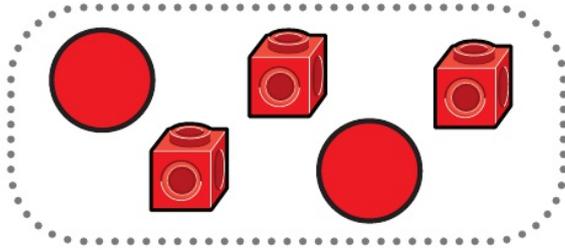
a)



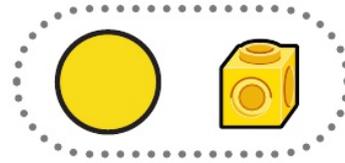
A group of counters.



A group of cubes.

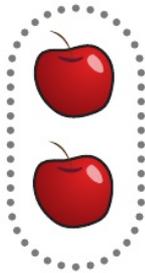


These are red.

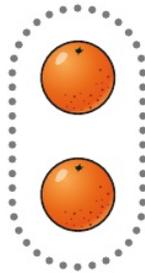


These are yellow.

b)



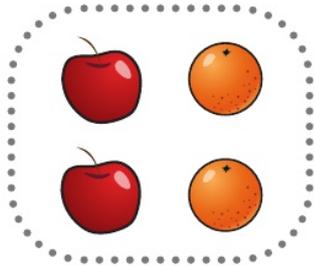
apples



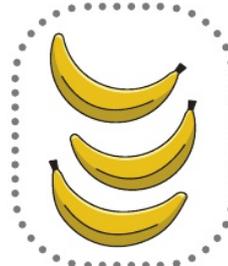
oranges



bananas



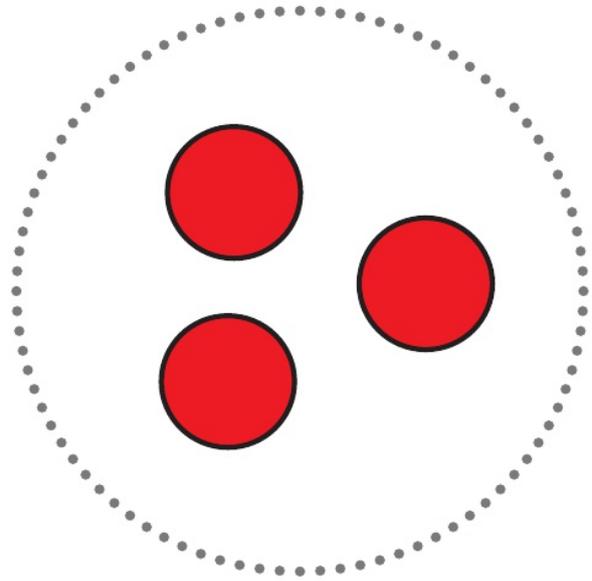
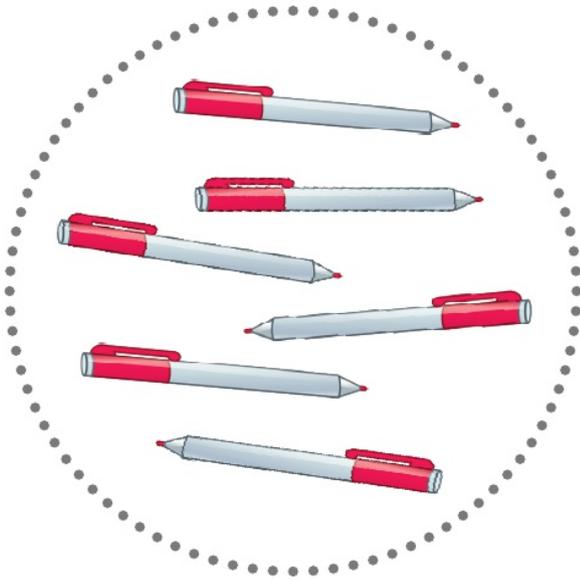
round fruit



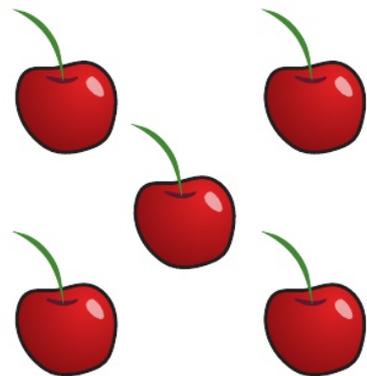
non-round fruit

# Think together

1 Circle the groups with your finger.

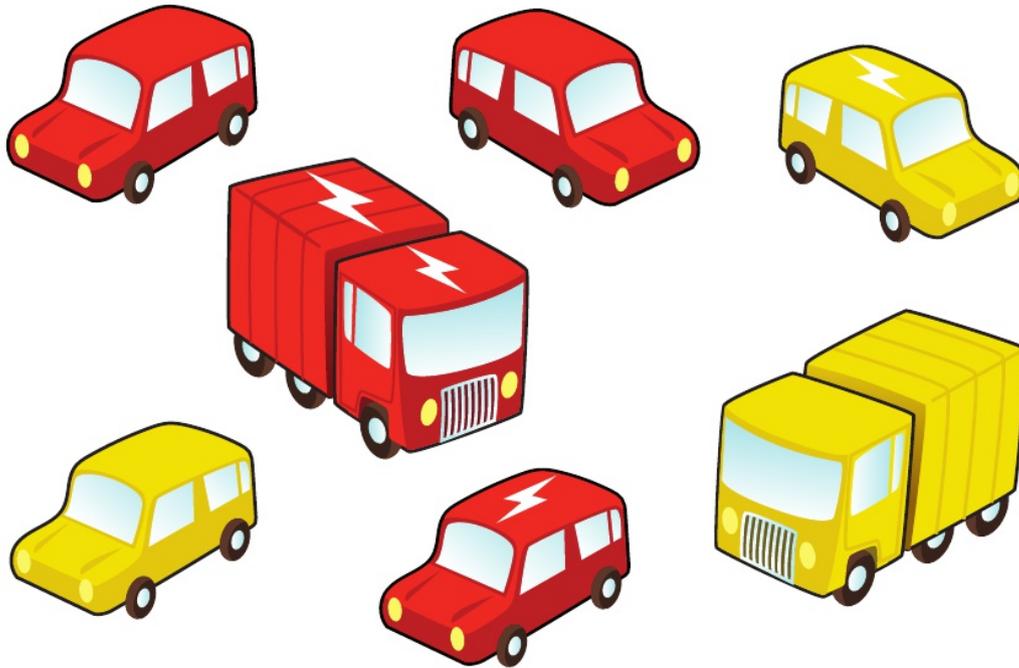


2 Circle the groups with your finger.



CHALLENGE

3 How can you sort these?



Are there more ways?

# Count objects to 10

## Discover

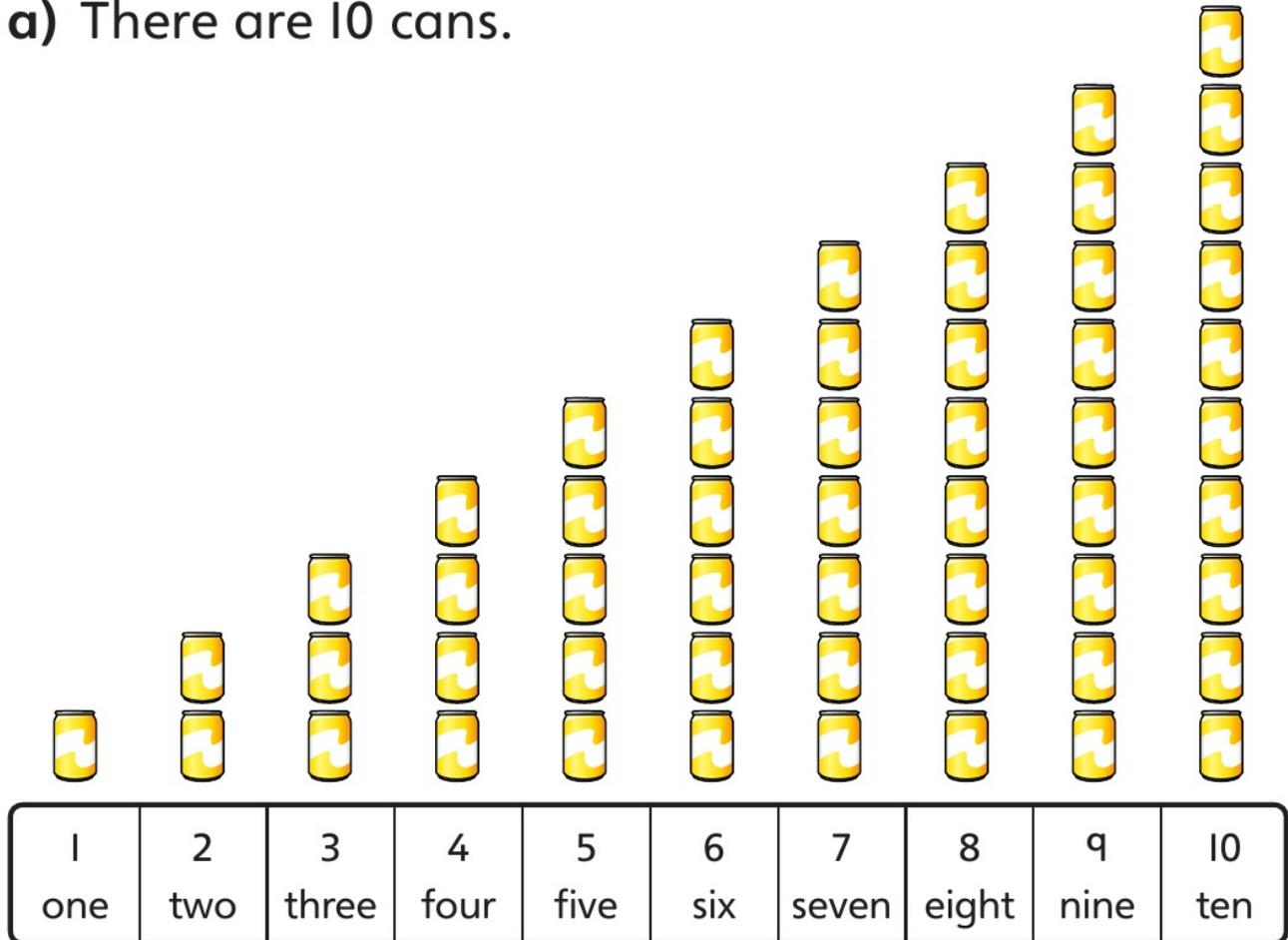


1 a) Count the  .

b) Write your answer in two ways.

## Share

a) There are 10 cans.



b) The number is **10**.

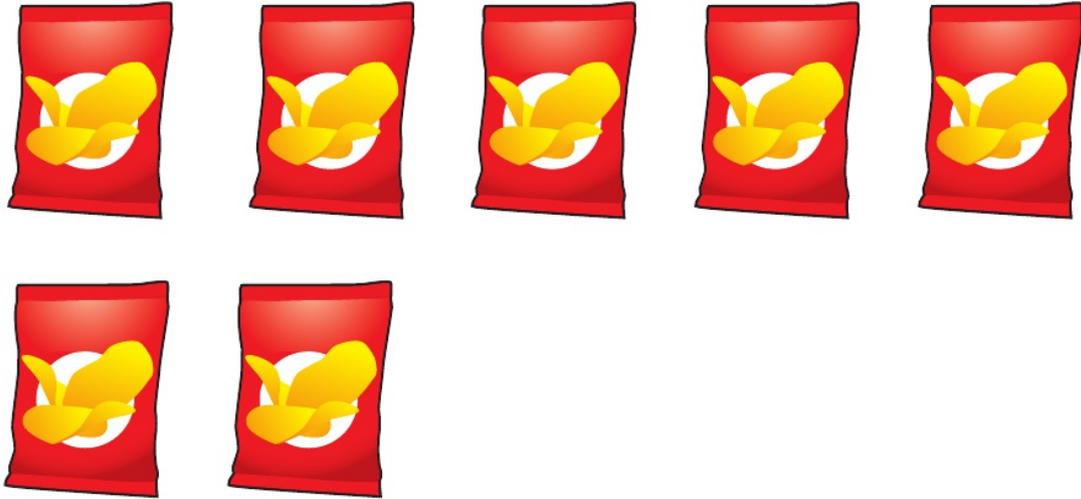
The word is **ten**.

I traced the number and  
the word with my finger.

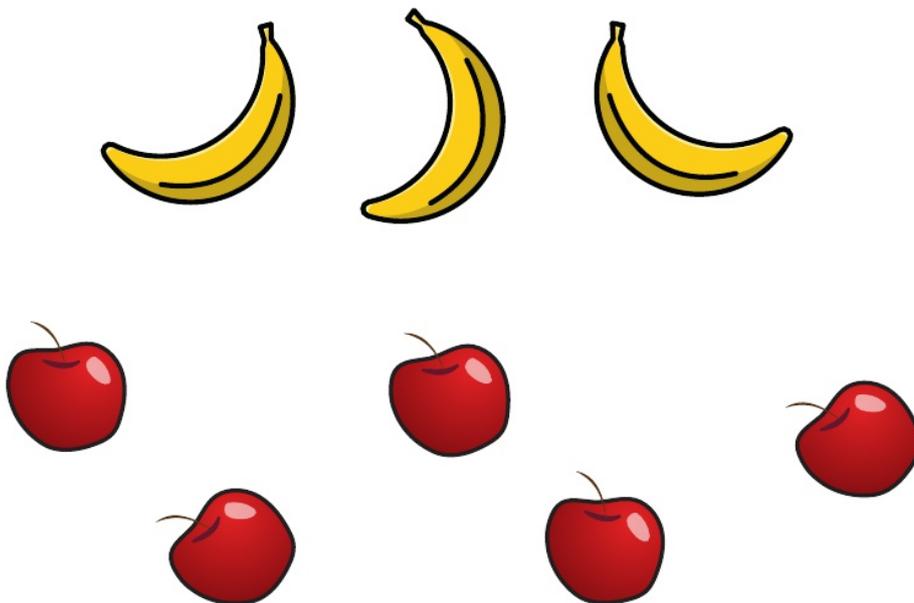


# Think together

1 How many crisp packets are there?



2 How many of each are there?



CHALLENGE

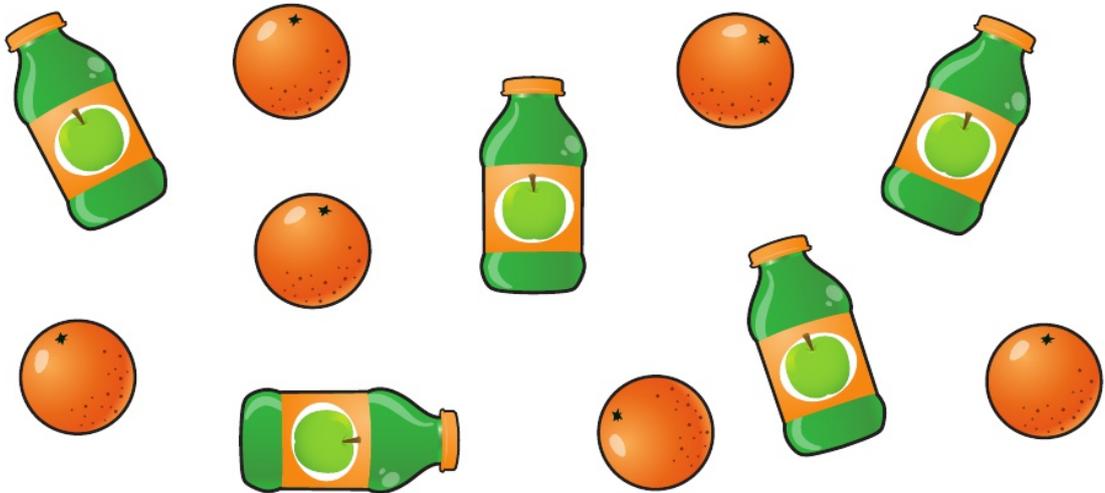
3 a) How many are there?



I will count from the top.



b) How many of each are there?



# Represent numbers to 10

## Discover



- I** a) Count the cubes.
  
- b) Show this number using counters on a ten frame.