

## 跂是品



#  <br> <br> Contents 

 <br> <br> Contents}

## Unit 1

Counting ..... Page 5
Keep on counting ..... Page 15
Ordering and comparing ..... Page 25
Unit 2
Let's add
Page 35
Subtraction Page 45
Work it outPage 55
Numbers to 20 Page 64
Tens and units ..... Page 70
Comparing and ordering ..... Page 73
Numbers 50-99 ..... Page 76
Tens ..... Page 78
Place value and the abacus ..... Page 83
Patterns and sequences ..... Page 86
Odd and even numbers ..... Page 89

## 

Patterns ..... Page 91
Comparing and ordering ..... Page 93
Unit 4
The calendar Page 97
Measuring ..... Page 102
MoneyPage 107
Ordering coins ..... Page 109Equivalence and total
$\qquad$Page 111Halves, doubles and tripletsPage 116


## Counting



Maria has $\qquad$ rings.


Read and answer the questions below.

Her mum gives her $\qquad$ more rings.


How many rings does Maria have now? $\qquad$
Now, she has more / less rings.

Look, trace and colour. Then write the numbers.


## 



Count and draw lines. Then read and write.


## Look and answer the questions about each group.

What are they?
How many are the same size?
What colour are they? Are they big or small?
How many are the same colour?


Read, count and write.

green things
cupcakes


Read, count and write.


## Draw happy faces to match the numbers.



10

## 

When you put more elements into a group, it gets bigger. To know how many elements a new group has, you have to add the elements. This process is called addition.

## Read, count and write.

We see 2 butterflies.
We see 4 more.
How many butterflies in all?


Charles has 5 colours.
Daniel has 3 colours.
How many colours in all?

I have 5 party hats.
Mum has 2 party hats. How many party hats in all?


These are the operations you have to write:

## Butterflies

Colours


## $2+4=\ldots$.

$5+$
$3=\ldots$.
$5+2=\ldots \ldots$


## Draw spots to make matching pairs. Then count and write.

- Black box, number of spots before drawing.
- Red box, number of spots after drawing.



## 跂最源

Solve the operations to find out what colour you have to use for each number．Then colour and write what you found with each．


1 With the number 2 With the number

3 With the number
4 With the number
5 With the number
6 With the number
7 With the number


I found a pear and a banana．
I found $\qquad$ ．
I found $\qquad$ ．
I found $\qquad$ ．
I found $\qquad$ －

I found $\qquad$ ．
I found

##  You're up!

Read and match the words with the definitions. Then number the pictures.

| 1. number | - to separate things |
| :--- | :--- |
| 2. count | • how large or small something is |
| 3. sort | • a math process |
| 4. size | - to put something with something else |
| 5. add | - to say the names of numbers one after |



## Keep on counting



Read and answer the questions below. The singing class at our school has 11 boys and 7 girls.

1 How many students are there in all?
2 If 3 more students join the class this year, how many students will be?
3 If 4 boys and 3 girls are absent one day, how many students will be?
4 Which number is bigger, the number of boys or girls?
5 Which number is smaller, the number of girls or boys?


Look, trace and colour. Then write the numbers.



## 

Count and draw lines. Then read and write.


## Count the hens and trace the numbers and the words.




Number the groups. Start with the group that has the smallest number of stars " 1 ". Then write the numbers as words.


Four
stars

stars
star
stars

stars


Count and draw lines to match the fishbowls that have the same number of fish. Then colour the fish with the same colour.


## 

## Read, colour and draw spots. Then answer the questions.

This dog is grey and has three spots on its body.


This bird is yellow and has six spots on its body.


This butterfly is pink and has two spots
on each wing.


This horse is brown and has one spot on each leg.


This cat is orange and has two spots on its tail.

1 How many spots does the horse have?
2 How many spots does the butterfly have?
3 How many spots do the dog and the cat have together?
4 How many spots do the frog and the bird have together?

Count and write how many colours each boy bought．
Mark bought ．．．．．．．．．colour pencils．，Daniel bought ．．．．．．．．．．colour pencils．


1 Who has the biggest number of colour pencils？ $\qquad$
2 Who has the smallest number of colour pencils？ $\qquad$
3 How many colour pencils do Sam and Sandra have together？ $\qquad$
4 How many colour pencils do Mark and Daniel have together？ $\qquad$
5 Who has more than seven colours？
6 Who has fewer than seven colour pencils？ $\qquad$

Read and colour. Then count and write.

Colour the stars with 3 tips yellow.
Colour the stars with 4 tips blue.
Colour the stars with 5 tips orange.

Colour the stars with 7 tips purple.
Colour the stars with 8 tips green.
Colour the stars with 9 tips red.

Colour the stars with 6 tips pink.


Number of yellow stars: $\qquad$
Number of blue stars: $\qquad$


Number of orange stars: $\qquad$
Number of purple stars: $\qquad$
Number of green stars: $\qquad$
Number of red stars: $\qquad$
Number of pink stars:


Read and match the words with the definitions. Then number the pictures.


## Ordering and comparing

## TAKE the CHALLENGE

## Read and answer the questions.

Karina built a small house with wood sticks.
Now she wants to decorate it.
She needs 12 stickers. She found 3 stickers in her pencil bag. She found 2 stickers in her toy box. And her mum bought her 4 more stickers. Does Karina have enough stickers to decorate her small house? How many more stickers does she need?
When did Karina get more stickers?
If she wanted to decorate her small house with 15 stickers, how many more stickers would she need?

Colour the fish that have no stars.


How many fish have no starts?
fish have $\qquad$ stars.


Write the missing numbers. Then draw dots to match them.
$0 \quad 23$
6
8


Order the numbers from 0 to 9.


26

## 跂最源

Order the numbers from 9 to 0.

8
5
2
9
6
3
1
4
70


Write the missing numbers．


## 

Look, count and write numbers. Then put a tick in the box below the picture that has more shoes and a cross below the picure that has fewer shoes.


Read and choose a word to complete the sentence.


Look and write the correct number.


## Look at the dice and write the number of dots each side has.

> This side has ............ dots.


Read and complete the sentences about the dice.

1 The
side has more dots than the blue side.
2 The ................... side has fewer dots than the blue side.
3 The side with the biggest number of dots is the ..... side.
4 The side with the smallest number of dots is the ..... side.
5 The order of the numbers is the green side with
dots, then the
side with
dots and finally the
side with dots.

Join the numbers following the order. Then write what picture appeared and colour it.

This is a/an $\qquad$


This is a/an


32

This is a/an $\qquad$


## 界最弯系 You＇re up！

Read and match the words with the definitions．Then number the pictures．


## Let's add

## TAKE the CHALLENGE

 Read and choose the correct answer. WriteIt's 2 o' clock in the afternoon and you are going to the cinema in 4 hours.
What time are you going to the cinema?

My brother and I have 12 videogames. 7 of those videogames are mine, how many are my brother's?
$\qquad$

Jane found 3 yellow flowers.
Each flower had 4 petals.
How many petals are there in all? $\qquad$ it on the dotted line.
b) 6
C) 5
a) 12

## Count the cupcakes in each bag to find the total number.




Add to make the total. Write in letters and numbers

d)


Read, draw, count and write.

Draw 2 more slices of cake and do the math.

plus

is


Draw 3 more cakes and do the math.

plus
is


Draw 4 more cookies and do the math.


Draw 5 more cupcakes and do the math.

plus

is


Draw 6 more ice cream cones and do the math.

4


The sign + means add or plus and the sign = means equals.
You can use these mathematical symbols to make totals.


1 and 3 makes 4.

$$
1+3=4
$$

There are four people in this
picture.


2 and 2 makes 4.
$2+2=4$
There are four people in this
picture.

Count and write. Then do the math.
a)

b)

c)

d)

e)


$$
2+6=8
$$

$$
\square+\square=\square
$$

$$
\square+\square=\square
$$

$$
\square+\square=\square
$$

$$
\square+\square=\square
$$



Count and write. Then do the math.
a)


$$
1+5=6
$$

b)

c)

d)

e)


Draw chocolate chips on the cookies to illustrate the operations.
a) $5+3=$ $\qquad$
c) $1+3=$

b) $4+2=$ $\qquad$

d) $6+0=$ $\qquad$

## Read and colour.

1 more than 4 is $\qquad$ .


| 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | :--- | :--- | :--- | :--- | :--- |

Now count on a number line.
2 more than 4 is $\qquad$ .

a) 1 more than 2 is $\qquad$ .
d) 2 more than 6 is $\qquad$ .

b) 1 more than 3 is $\qquad$ e) 3 more than 7 is $\qquad$ .

c) 1 more than 4 is $\qquad$ .
f) 4 more than 3 is $\qquad$ .


Read and use the number line to find the answer.
3 more than 4 is $\qquad$ $-$

4 plus 3 is $\qquad$ $4+3=$ $\qquad$ .


Use the number lines to answer these math questions.
a) $1+3=$ $\qquad$ d) $7+1=$

b) $4+2=$ $\qquad$ e) $3+5=$ $\qquad$

f) $1+8=$ $\qquad$



Look and draw lines to join each bee to the flower with the correct


Find the missing numbers.


## 42

Read and complete the math statements. Then find the operations in the puzzle.
a) One plus eight is $\qquad$ e) Three plus two is $\qquad$
b) Three plus six is $\qquad$ f) Six plus three is
c) Zero plus one is $\qquad$ g) One plus three is
d) Four plus two is $\qquad$ h) Seven plus one is.

| + | 1 | 2 | + | 2 | 1 | + | 2 | 2 | + | 2 | 2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| + | 4 | + | 2 | $=$ | 6 | 7 | $=$ | 5 | 7 | 1 | + |
| 1 | 2 | 1 | $=$ | + | 3 | + | 2 | $=$ | 5 | $=$ | 3 |
| + | 5 | 1 | + | 3 | $=$ | 4 | + | + | 7 | 5 | 3 |
| 6 | 5 | $=$ | 1 | + | 8 | $=$ | 9 | + | + | 1 | + |
| 6 | $=$ | $=$ | 5 | 4 | 5 | 6 | + | 3 | $=$ | 9 | 3 |
| 1 | 3 | + | 6 | $=$ | 9 | 1 | 2 | 1 | $=$ | + | 3 |
| + | $=$ | $=$ | 1 | 7 | + | 1 | $=$ | 8 | + | 1 | + |
| 6 | 4 | 3 | 2 | $=$ | 2 | 0 | + | 1 | $=$ | 1 | 3 |

## 界最弯系 You＇re up！

Read and match the words with the definitions．Then number the pictures．

| 19．plus | －make calculations <br> 20．equals <br> 21．total <br> 22．do the math <br> 23．sign <br> 24．illustrate <br> eictures，drawings，colours，etc． <br> －It is a math symbol that shows a result． |
| :--- | :--- |
| －It is a symbol and it has a meaning． |  |



## Subtraction



Read and look at the pictures. Then answer the questions.
Susan wants to invite her friends to eat pizza.

She wants to know how to cut it because she wants to eat some more at night with her mum.

1) If Susan invites two friends and each kid eats one slice, how many slices will be left?
2) If Susan invites two friends and each kid eats two slices, how many slices will be left? $\qquad$


## Read and look. Then answer the questions.

How many pandas are there?
 panda is 2 pandas.
$\qquad$

$$
3-1=
$$

## 

Read and look. Then count and complete the math statements.
a) 6 minus 1 is $\qquad$ .
d) 2 minus 1 is $\qquad$ .

b) 4 minus 2 is $\qquad$ .

e) 8 minus 2 is $\qquad$ .

c) 7 minus 1 is $\qquad$ '

f) 9 minus 2 is $\qquad$ .


Read and look. Then count and cross out the balloons that you take away.
a) 7 minus 3 is $\qquad$ .

b) $\mathbf{7}$ minus $\mathbf{2}$ is $\qquad$ .
c) 7 minus 1 is $\qquad$ .
d) 7 minus 4 is $\qquad$ .
e) 7 minus 7 is $\qquad$ .


47


## Time to count back!

Read and colour.
3 less than 8 is $\qquad$ .


## 

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Use the number track to find the answers.

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

a) 1 less than 6 is $\qquad$ d) 2 less than 4 is $\qquad$ .
b) 1 less than 7 is $\qquad$ e) 1 less than 2 is $\qquad$ .
c) 2 less than 8 is
f) 2 less than 9 is $\qquad$ .

## Now count on a number line.

5 less than 8 is $\qquad$ .

## $\square ?$



Read, count back and draw the jumps you make.
a) 2 less than 5

b) 2 less than 2

c) 2 less than 9

d) 2 less than 7

e) 2 less than 8

f) 2 less than 6


Read and illustrate the solution to the word problem using the number line.

Emma has got 4 books. She gives 2 books to Tom. Emma has got 2 books now.

$$
4-2=
$$



## 路秀采

The sign－means subtract（minus）．
You can use this mathematical symbol to find the difference between two numbers．

Look and cross out to match the subtractions and write the answers．

c） $8-3=$


e） $5-2=$
f） $6-2=$
g） $1-1=$

h） $4-1=$


Read and complete. Then compare the images and find the
difference.

There are $\qquad$ pencils in the orange box. There are $\qquad$ pencils in the yellow box.


How many more pencils are there in the orange box?

How many more pencils are there in the orange box?


There are

more in the orange box.


There are more in the orange box.


There is
more in the orange box.


There are

Write how many pencils are in each box．Then answer the question below． How many fewer pencils are there in the yellow box？


There are

O

fewer in the yellow box．

There are
fewer in the yellow box．

 $=\square$

fewer in the yellow box．



Find the difference between the numbers of jelly beans in each rOW.
a)


The difference between the numbers $\qquad$ and $\qquad$ is $\qquad$ T T
b)

is $\qquad$ .
c)


The difference between the numbers $\qquad$ and $\qquad$ is $\qquad$ .
d)


The difference between the numbers $\qquad$ and $\qquad$ is $\qquad$ .


Read and match the words with the definitions. Then number the pictures.


## Work it out

## TAKE the <br> CHALLENGE

Read and answer the questions.
Maria and Jose woke up early in the morning to help their dad on the farm. They wanted to collect eggs.

For the first basket, Maria collected 5 eggs and Jose collected 4 eggs. Then their mum came and used 2 eggs.
For the second basket, Maria collected 3 eggs and Jose collected 7 eggs. Then their mum came again and used 5 eggs.
How many eggs were left in the first basket?
How many eggs were left in the second basket? $\qquad$
Use the number lines to help you (to) add and (to) subtract.
$2+1=\ldots \ldots$
9-3 = $\ldots \ldots$

Count on


Count back

| 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 012345678910 |



Use the number line to answer these.

a) $7+3=$
d) $3-2=\ldots \ldots$
g) $5+5=\ldots \ldots$
b) $8-6=\ldots \ldots$
e) $7+2=\ldots \ldots$
h) $6+1=\ldots \ldots$
c) $0+4=$ $\qquad$ f) $4+4=\ldots \ldots$
i) 2 - $1=\ldots \ldots$

## 55

## Use the number line to answer these.



| 4 |
| ---: |
| $+\quad 3$ |
| $+\quad 3$ |

What is a trio?
A trio is a set of numbers that make addition and subtraction families.

7, 5 and 2 make a trio.
Addition
Subtractions
$5+2=7$ 7 $2=5$
$2+5=7-7-5=2$


Use the boxes to count and check that the operations above are correct.


## Use the trios to complete these additions and subtractions.



Complete these additions and subtractions. Then write the trios.
a)

b) $\begin{array}{cc}4+\ldots \ldots & =7 \\ \ldots \ldots+4 & =7\end{array}$
$\ldots \ldots+4=7$
7 - 3 =

Colour to match additions and subtractions from the same trio．


Complete the number chain．

$$
4-1=
$$

$$
\ldots \ldots-2=4
$$

$\qquad$
$\longrightarrow$


Colour the fish you need to complete these additions and subtractions.


## Write the missing numbers.



Read, look and write the missing number.
The top number is the total of the numbers below.


Write the missing numbers.


Write the missing numbers.
Subtraction


## Write the missing numbers.

Addition and Subtraction


You're up!

## Read and match the words with the definitions. Then number the

 pictures.31. trio
32. se $\dagger$
33. check
34. complete
35. number chain
36. puzzle

- to look and tell that something is correct, incorrect or complete
- a game - you have to discover or find something
- It is a group of three numbers.
- a group of similar things
- It is a line of numbers.
- to finish doing something
$2+3=5$



Write the missing numbers:


## Numbers to 20



Read and answer the questions.
Peter is learning to do football juggling.
He wants to break a record. The record is 20 kicks in one try.
In his first try, he kicked the ball ten times. In his second try, he kicked the ball sixteen times.

How many more times did he kick the ball in his second try? ............... How many more times does he need to kick the ball to get to twenty kicks in a row?

Look at the following table and practise spelling the numbers.



Complete the stairs with the missing numbers to reach the top.


Read and write the numbers on the screens.

sixteen

twenty

fifteen

## Write the missing numbers.

| 1 | 2 | 3 |  | 5 |  | 7 | 8 |  | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 |  | 14 |  | 16 | 17 |  | 19 |  |


|  | 2 |  | 4 |  |
| :--- | :---: | :--- | :--- | :--- |
|  | 7 |  | 9 |  |
|  | 12 |  |  |  |
| 16 |  |  | 19 |  |

## Read and write the numbers.

There are eight kids standing in line. Two kids before number 4 get out of the line.

Which numbers are missing now?
$\qquad$
$\qquad$
There are twelve bottles in a box. Bottles one and two are
 purple, bottles three and four are red, bottles five and six are purple.

What colour are the bottles nine and twelve?

## Look, read and count to answer the questions.

You can group up figures in different ways: by colour, by shape and by size.


1 How many moons are there?
2 How many green clouds are there?
3 How many lightning are there?
4 How many small clouds are there?
5 How many blue moons are there?
6 Which figure has straight lines?

Look and answer the questions.

a) How many are there of each figure?

b) How many are there of each colour?

$\square$

Count, draw and write.

b) Draw stars to complete twenty stars in total.

I drew $\qquad$ more stars.
c) Draw circles around groups of two stars.
d) How many groups are there?

## Tens and units

## Read, draw and write.

I buy a bag of chocolates, but it only has ten chocolates. I need sixteen chocolates for my class.

How many more chocolates do I need to complete sixteen?


Tens are shown as a number of two digits.
They can also be shown as groups of ten objects all together.
The image on the right shows one ten.


Units express all those numbers by digit.
The image on the right shows units.
When you join tens and units, you get bigger numbers.



Count the straws. How many straws are there in each box?

$\square$
$\square$

Write the numbers you can get from the tens and units.
a)

b)

c)


Write the numbers on the sign posts to show the tens and the units.
a)
b)
c)
d)



## Comparing and ordering

## Read and answer the question.

Some kids are writing their ages on the board.
Peter is fourteen years old and Pat is eleven years old.
Who is older? .................


## Read and look.

The number fourteen has tens and units.
14 is 10 and 4

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 2 | 3 | 4 |  |  |  |  |  |  |

The number eleven also has tens and units.

## 11 is 10 and 1

14 is greater than 11
11 is less than 14

| 1 | 2 | $3 / 4$ | 4 | $6 / 7$ | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 1

14 is larger than 11
11 is smaller than 14

Look, count and complete the sentences with "Iarger than" or "smaller than."
a)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| 1 | 2 | 3 |
| :--- | :--- | :--- |

13 is $\qquad$ 15
b)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| 1 | 2 | 3 | 4 | 5 |
| :--- | :--- | :--- | :--- | :--- |

b)

$\square$ 16 is $\qquad$ 12

c) $\square$
$\square$
$\qquad$ is $\qquad$
$\square$
$\square$

## 品最程委

Which numbers are larger？


Which numbers are smaller？


Order the numbers．Start with the smallest．

．．．．．．．．．．．．．． $\qquad$

## You're up!

Read and match the words with the definitions. Then number the pictures.
37. before

- any number 0 to 9

38. figure

- a whole number less than 10

39. digit

- put things by size, weight, colour, etc.

40. tens

- a shape

41. unit

- back in time or place

42. order

- groups of ten units

0, 1, 2, 3 , 4,
5, 6, 7, 8, 9


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



## Numbers 50-99

## TAKE THE CHALLENGE

Read and answer the question.
Lucy buys a new colour every day.
She has twenty colours already.
How many colours will she have in two weeks? $\qquad$

Look and write the missing numbers. Then read them out.

| 1 | 2 | 3 | $\ldots \ldots$ | 5 | 6 | $\ldots \ldots$ | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 \ldots$ | 12 | 13 | 14 | $1 \ldots$ | $1 \ldots$. | 17 | 18 | 19 | $2 \ldots$ |
| 21 | 22 | $2 \ldots$ | 24 | 25 | 26 | 27 | $2 \ldots$ | 29 | $\ldots .0$ |
| $\ldots .1$ | 32 | 33 | 34 | $\ldots 5$ | 36 | 37 | 38 | $\ldots .9$ | 40 |
| 41 | 42 | $4 \ldots$ | 44 | 45 | 46 | $4 \ldots$ | 48 | $4 \ldots$ | 50 |




Read and write the numbers. Then order them from the smallest to the biggest.


Draw lines to join the numbers with the words.


## Tens

Read and answer the question.
Jake receives ten pesos for every back pack that he sells.

Counting in tens is more useful when you work with big numbers or amounts.

How much money does he receive if he sells six back packs?



Read and write the numbers. Then spell the number words to a friend.


Match the numbers with the words.


Complete the sequences.


Use the prompts below to interview some friends and write the numbers. What tens number goes after ...?


## Read and answer the question.

Kate's teacher is thirty-six years older than Kate's best
friend. Kate's best friend is 6 years old.
Kate is 3 years older than her best friend.
How old is the teacher?
How old is Kate?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |



## Look and read out the numbers.

Counting to 99 is easy. Once you count up to twenty, you have to say the tens number followed by the units.


21 twenty-one
22 twenty-two
23 twenty-three
24 twenty-four
25 twenty-five
26 twenty-six
27 twenty-seven
28 twenty-eight
29 twenty-nine

Write the numbers as words.
a) 46
b) 83
c) 54
d) 25

Write the next number words as numbers.
a) sixty-five

b) forty-one

c) thirty-seven

d) seventy-six

e) eighty-three

f) twenty-nine


Order all the numbers from the previous activity. Start from the smallest.

Numbers:

Words: $\qquad$
$\qquad$
Join the numbers with the words by colouring boxes.
There is one example.


## Place value and the abacus

## Read and answer the question．

There is a party with fifty－six people．After three hours，there are eighty－two people and in the last hour nineteen people arrive．


How many people are there at the end of the party？．．．．．．．


The abacus has units and tens．Each bead expresses one．
7 beads in the tens express 70.
4 beads in the units express 4.
70 and $4=74$
Seventy－four


Tens Units

Join the figures with tens and units with the ones with numbers．


Count and write the number shown on each abacus.

= $\square$ Look, answer and draw.
$\qquad$ b) $20+9=$

c) $70+8=$ $\qquad$


Tens
Units

d) $10+2=$ $\qquad$

e) $80+3=$ $\qquad$

## You're up!

Read and match the words with the definitions. Then number the pictures.

| 43. the smallest | - the number that something represents |
| :--- | :--- |
| 44. the biggest | - a counting object with smalls beads |
| 45. sequence | - little in size compared in a group |
| 46. value | - the order that things follow |
| 47. abacus | - write, draw or say something |
| 48. express |  |

## 

## Patterns and sequences



Read and answer the question.
There are six groups of numbers. The first group has the numbers 30, 31 and 32.

The second group has the numbers 40,41 and 42 . The third group has the numbers 50,51 and 52.
What numbers do the groups four, five and six have?

Group four: $\qquad$ , $\qquad$ and


Group five: $\qquad$ , $\qquad$ and

Group six: $\qquad$ , $\qquad$ and $\qquad$ .

In a sequence of numbers, you can go forwards or backwards.

In the next sequence, you count forwards. This way, you notice that the next number in the sequence is 49 and the number before 43 is 42


| 43 | 44 | 45 | 46 | 47 | 48 |
| :--- | :--- | :--- | :--- | :--- | :--- |

In the next sequence, you count backwards. This way you notice that the next number in the sequence is 61 and the number before 67 is 68 .

| 67 | 66 | 65 | 64 | 63 | 62 |
| :--- | :--- | :--- | :--- | :--- | :--- |



Write the next numbers in each sequence.
a)

| 31 | 32 | 33 | 34 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

c)

| 23 | 24 | 25 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

e)

| 55 | 54 | 53 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

g)

| 31 | 32 | 33 | 34 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

Write the missing numbers.
a)

e)

|  | 58 |  | 56 |  |
| :--- | :--- | :--- | :--- | :--- |

g)

| 45 |  | 47 | 48 | 49 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

b)

| 88 |
| :--- |
| 8 |
| d) |


| 53 | 54 | 55 |  |  | 58 |
| :--- | :--- | :--- | :--- | :--- | :--- |

f)

| 12 |  | 14 | 15 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

h)

| 28 | 27 |  |  |  | 23 |
| :--- | :--- | :--- | :--- | :--- | :--- |



## Write the missing numbers.





## Odd and even numbers

## Read and answer the questions.

Lucy makes two groups of numbers. She is counting from 1 to 5 . She puts one number to the left and one number to the right as she counts.
Which numbers go in the left group and which numbers go in the right group?


## Read and look.

It is good that you know there are even numbers and odd numbers.
The blue numbers are even numbers - all the even numbers end in $0,2,4,6$, and 8.

The orange numbers are odd numbers - all the odd numbers end in 1, 3, 5, 7 and 9.

| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



## Read and circle. Then write.

1. Use a blue colour to circle the even numbers and a yellow colour to circle the odd numbers.
2. Write one even number in each of the blue triangles and an odd number in each of the yellow ones.


Write the next odd number.
a)

c)
17

e)
3

b)
14

d)

f)

Write the next even number.
a)

22
b)

d)
e)

15

f)
14


## Patterns

## Read and answer the question.

Eight of Pat's friends gave her 2 dolls each one.
How many dolls does Pat have in total?


91


Complete the sequences.


Write the missing numbers.

| a) | 14 |  | 18 |  |  |  | 28 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| b) |  | 37 |  |  | 45 | 47 |  |
| c) | 29 | 27 |  | 21 |  | 17 |  |
| d) | 90 |  | 70 | $60 \quad 50$ |  |  |  |
| e) | 68 | 66 |  |  |  | 56 |  |

Look at the patterns and write the missing numbers.


## Comparing and ordering

## Read and answer the questions.

Three boys are counting their jelly beans in order to know how many they have.
Boy A has 29 jellybeans, all of them red. Boy B has 64 jellybeans, some of them red, orange and green and boy C has 38 jellybeans, some are red and yellow.
Who has the greatest number of jellybeans?
Who has the smallest number of jellybeans?

## Order the numbers.



The number sixty-four has tens and units.

64 is 60 and 4 .

The number twenty-nine also has tens and units.

$$
29 \text { is } 20 \text { and } 9 .
$$



64 has more tens so it is greater than 29.
29 has fewer tens so it is smaller than 64.

64 is larger than 29.
29 is smaller than 64.


Write the numbers to make the sentences correct.
a) 36,63

is greater than
is greater than
is greater than
is greater than
is greater than
is greater than
b)

58, 85
c)

22, 34

$\square$
64, 46
$\square$
d)

44, 53
e)

27, 42
f)

(

$\square$


Compare these numbers and put them in order. Start with the smallest ones.

!.!.! !!!!! !!!!

$\qquad$

12934

Compare these numbers and put them in order. Start with the smallest ones.
a) $43,23,83,93,33$
b) $37,97,67,27,17$
c) $60,35,49,71,24$
d) $25,65,75,15,35$

Order these numbers starting with the smallest ones. Then write the smallest and the largest numbers in the boxes.
a) $36,22,58,47,89$
b) $25,17,83,44,91$
$\qquad$
$\qquad$

| Smallest | Largest |
| :--- | :--- |
| number | number |


c) $11,17,59,21,33$
d) $51,19,26,35,88$

##  <br> You're up!

Read and match the words with the definitions. Then number the pictures.
59. backwards $\quad$ - something you do in a specific form


96

## 躡采采

## The calendar

## TAKE the CHALLENGE

## Read and answer the questions．

Roger plays soccer on Saturdays．He trains two days before and he goes to the zoo a day after he plays soccer．

What day does Roger play soccer？ What day does he train？ $\qquad$
What day does he go to the zoo？

## Look and read．Practise both complete and short forms．

|  |  | Weekdays |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Monday | Tuesday | Wednesday | Thursday | Friday |
| Mon | Tues | Wed | Thurs | Fri |


| Weekend |  |
| :--- | :--- |
| Saturday | Sunday |
| Sat | Sun |

Write the day that comes before．

a）．．．．．．．．．．．．．．．．．．．．．．．．．．．－Saturday
e） $\qquad$
b）．．．．．．．．．．．．．．．．．．．．．．．．．．．．－Tuesday
f） $\qquad$ －Wednesday
c）．．．．．．．．．．．．．．．．．．．．．．．．．．．．－Friday
g）．．．．．．．．．．．．．．．．．．．．．．．．．．．．．－Thursday
d）．．．．．．．．．．．．．．．．．．．．．．．．．．．．－Monday
Write the day that comes after．
a）Sunday－
e）Monday－
b）Saturday－
f）Wednesday
c）Thursday－
g）Tuesday－
d）Friday－


Complete the chart with the days of the week and the short forms. Then write an activity that you do on each day.

| Days of the week | Short forms | Activity |
| :---: | :---: | :---: |
| S.................... | ................. |  |
| M ................... |  |  |
| Tuesday | ....... |  |
| W .................... |  |  |
| T.................... |  |  |
| F ................... |  |  |
| Saturday |  |  |

Number the days in the correct order. Then draw lines to join them. Do not cross over other lines.


## Read and answer the questions.

Pat's birthday is in February, Anna's birthday is two months after Pat's birthday and the teacher's birthday is four months before Anna's birthday.

What month is Pat's birthday? $\qquad$
What month is Anna's birthday? $\qquad$
What month is the teacher's birthday? $\qquad$


Look and read. Practise both complete and short forms.
A year has twelve months.

| January | February | March | April | May | June |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Jan | Feb | Mar | Apr | May | Jun |
| July | August | September | October | November | December |
| Jul | Aug | Sep | Oct | Nov | Dec |

## Write the month that comes before.

a) $\qquad$
$\qquad$
b) - October
g) ............................ - June
c) - March
h) $\qquad$
d) - July
i)

January
e)

- September


## Write the month that comes after.

a) July
e) May
b) February - $\qquad$ f) September -
c) March -
g) October -
d) November - $\qquad$

Number the months in the correct order. Then draw lines to join them. Do not cross over other lines.



Read and match the words with the definitions. Then number the pictures.


## Measuring



Paul has seven pencils, all different sizes.
Circle blue the longest pencil and circle green the shortest one.


How do you know a pencil is long or short?

$\qquad$
$\qquad$
$\qquad$
$\qquad$
Look and read.
The pliers are longer than the wrench.
The axe is the longest tool.

The pliers are shorter than the hammer.

The wrench is the shortest tool.

## Tick the longest in each group and circle the shortest one.




Match the octopuses with the sentences.


## Read and draw.

Look around your clasroom. Look at the desk, the door and your teacher.
Draw each one in the correct box to identify the tall, taller and tallest.


Look and talk to a friend about the images.


Join each picture with the correct word.

short

shorter
shortes $\dagger$
longest


104


Read, look and answer the questions.

a) Which tree is the tallest?
b) Which trees are shorter than tree 5?
c) Which tree is the shortest?
d) Which trees are taller than tree 1 ?

## Draw lines to match the words with the correct pictures.

The shortest wrench


The longest wrench

##  <br> You're up!

Read and match the words with the definitions. Then number the pictures.


## Money - Value

## TAKE the <br> CHALLENGE

Pat has 37 pesos.
How can you express that amount of money using different coins and bills?

How much money do you have?
What coins and bills do you have?
$\qquad$
$\qquad$
Draw the coins and bills that you have.

## Look and talk.

These are some of the coins and bills we use.

Cents can be written as $\bar{C}$.
10 cents $=10$ ל.

Pesos can be written as $\$$.

$$
5 \text { pesos }=\$ 5
$$

5 cents



5 pesos



50 cents
1 peso



## TM ${ }^{(1)}$

Circle the odd coin in each set.


Circle the odd coin in each set. Then write how many similar coins you can see.


Circle the odd bill in each set. Then write how many similar bills you can see.


## Ordering coins

## Read and answer the questions.

John and Mike are putting their money together. John has two coins of 2 pesos, one coin of 50 cents and a 20 -peso bill.
Mike has a 50 -peso bill, a coin of 5 pesos and a coin of 10 pesos.
How much money does each one have? John Mike. .
Who has more money in coins? $\qquad$
Who has less money in coins?
Who has less money in bills?
Who has more money in bills?

## Read and talk to a friend about the coins.

These coins are in order, starting with the smallest one.

$5 \%$ is less than $10 \%$.
$10 \%$ is less than $20 \%$.
$20 \%$ is less than 50 c .
$\$ 1$ is worth the most.

$10 \%$ is more than $5 \%$.
20 \% is more than 10 c.
$50 \%$ is more than 20 .

Draw the coins in order. Start with the smallest one.


Complete each sentence to match the pairs of coins.

a) $\$$ $\qquad$ is more than $\qquad$ C
c) _C is less than
$\qquad$ C
b) $\$$
$\qquad$ is more than $\qquad$ ¢

d) $\qquad$ ct is more than $\qquad$ ¢


## 跂高共

## Equivalence and total

## Read and draw．

John wants to change his 20－peso bill for coins．Draw three different ways in which he can get his bill changed for coins．


Two 5－peso coins are worth one 10－peso coin．


One 5－peso coin is worth two 2－peso coins and a 1－peso coin．


One 10－peso coin is worth five 2－peso coins．


## CMA最品

The bags are worth the same. Draw coins to make this true.

is worth the same as
is worth the same as
is worth the same as
is worth the same as


## 

## Add and write totals.


pesos

pesos

pesos

pesos
pesos



Draw coins and bills to represent these amounts.
22 pesos


36 pesos


114


## Read and match the words with the definitions. Then number the

 pictures.67. coin
68. bill
69. cent
70. worth
71. the same
72. change


## Halves, doubles and triples

## TAKE the <br> CHALLENGE

Read and answer the question.
Henry has three bags of marbles. Each bag has sixteen marbles. He wants to share the half of his marbles with his friend Pat.
How many marbles will each one have at the end?


To find the half of something, you have to divide it into two equal groups, and then just count one group.


What is one half of twelve?


Twelve apples

Two equal groups

Half of twelve 12 is 6 .


Count and find the half of each group of animals.


Half of $\qquad$ is $\qquad$ .

Half of $\qquad$ is $\qquad$ .


Write the half of each number.

| 2 | 16 | 20 | 14 | 6 | 4 | 10 | 30 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 |  |  |  |  | 2 |  |  |  |



## Read and answer the question.

Henry has three bottles of grape juice and Pat has three bottles of orange juice.
How many bottles of juice do they have together?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

To find the double of something, you have to add the equal amount to the one you have, and then count them together.

Six apples


What is the double of 6 ?


The double of 6 is 12 .


Draw to find the double of the next groups of desserts.


Double of $\qquad$ is $\qquad$ .


2228


Double of $\qquad$ is $\qquad$ .


Double of $\qquad$ is $\qquad$ .

Write the double of each number to complete the chart.

| 2 | 8 | 4 | 7 | 12 | 3 | 5 | 22 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 |  |  |  |  | 6 |  |  |  |

## Read and answer the question.

Mike has twelve pesos. In the morning, he makes his bed and his mum gives him twelve pesos. In the afternoon, he helps his brother to sweep and he gives him twelve pesos.

How much money does Mike have at the end of the day?


To find the triple of something, you have to add two times the equal amount to the one you have, and then count them together.

Six apples
Add the equal amount two times.


What is the triple of 6 ?


Triple of 6 is 18 .


Find the triple of the next groups.


Write the triple of each number to complete the chart.

| 2 | 8 | 6 | 7 | 12 | 3 | 5 | 22 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6 |  |  |  |  | 9 |  |  |  |

##  <br> You're up!

Read and match the words with the definitions. Then number the pictures.


