# sample pages catalogue



www.vectormsint.com



Maths for kids is a two year course that introduces very young learners to the world of mathematics. Through this course, students learn about numbers, shapes, measurements, position, addition, subtraction, and other mathematical concepts.

The series places emphasis on the presentation of each topic in a simple and comprehensible way, but also on the activities that ensure that each new mathematical concept is conquered.

Through questions, students realise the existence of mathematics in their everyday life and through practice, students become confident and they build a strong base for mathematical development. The course is enriched with vivid pictures that trigger the interest of young learners, as well as multiple activities that activate the thinking skills of young learners in a fun way.



# **COURSE COMPONENTS**

# Student's Book

The Maths for kids Student's Book consists of 5 Units. Each unit is divided into six lessons that examine a specific topic. Students discuss the topic, learn new keywords, understand their meaning as well as practise and apply the knowledge taught. At the end of each unit there is a revision page to revise the main concepts of the unit. Resource Sheets, Colour-in pages and stickers are also included in the Student's Book. Throughout the Student's Book simple and comprehensible language is used.

# Teacher's Book

The Teacher's Book is designed to support the use of the corresponding Student's Book in the Maths for kids series. It contains a reduced version of the Student's Book and provides teachers with step-by-step lesson plans. The introduction in the Teacher's Book provides teachers with an analysis of the sections of the book as well as a pivot table with all the learning objectives that are presented in the units, and all the resources, materials, and flashcards that are necessary for the lessons. This table helps teachers monitor the development of knowledge and recognise the coherence of the mathematical content. The table also helps teachers to easily prepare each lesson. A 'More Practice' section with activities that are advised to be completed after the end of the lesson as well as a 'Hands for Crafts' section with constructions related to a topic of each unit are also available. Whenever there is the need for extra precaution, a safety symbol and instructions guide the teacher in explaining to students what they need to do to keep safe. All keys and examples of the activities in the Student's Book are provided in the Teacher's Book.

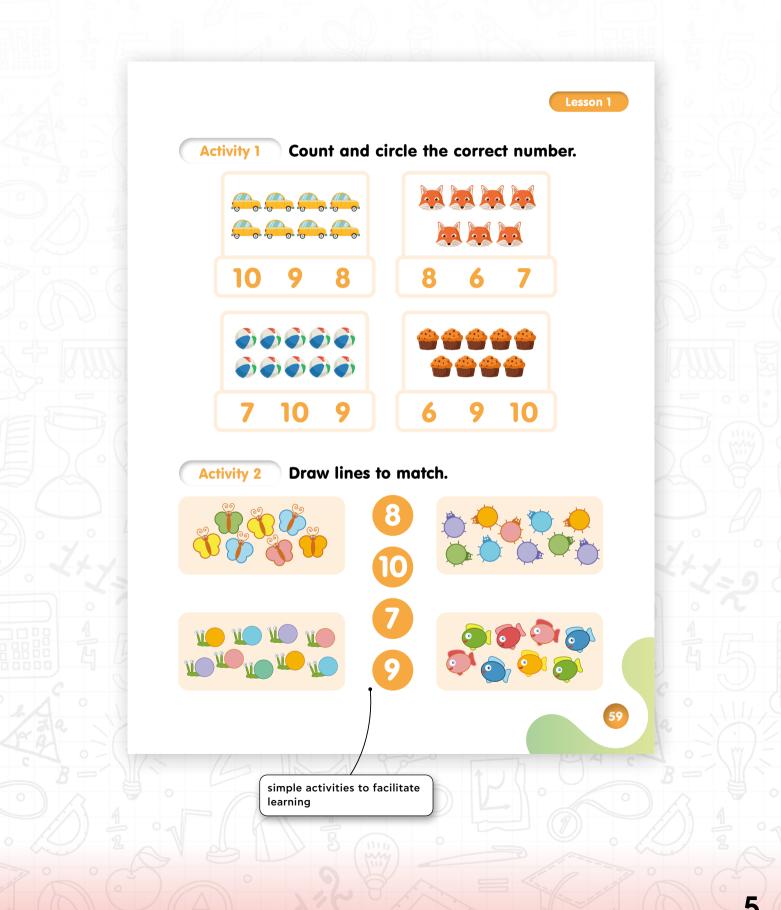
# Teacher's Digital Resources

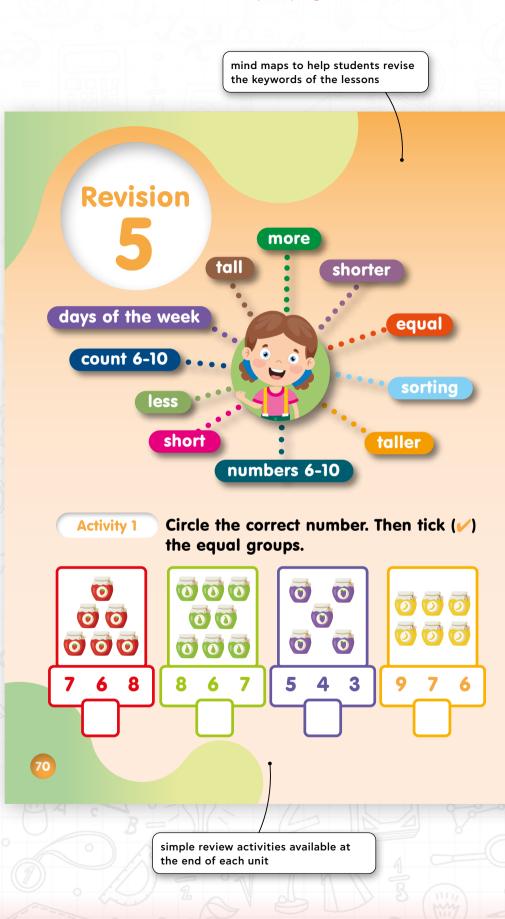
The digital material provided on our website www.vectormsint.com includes all the flashcards, Resource Sheets, 'More Practice' pages, Colour in pages and Resource Pictures for each unit. Extra material for the course, such as posters and certificates are also included. All files are downloadable and printable, so they are practical and easy to access.

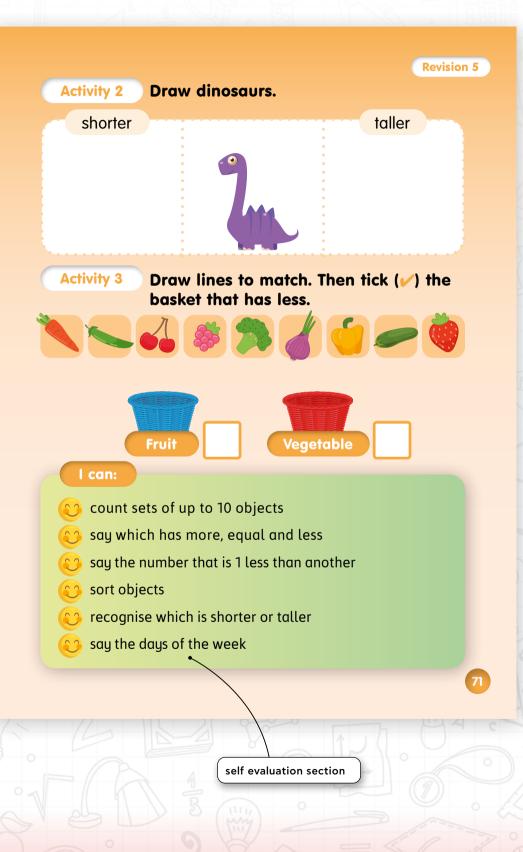
# Maths for kids, Student's Book - Contents

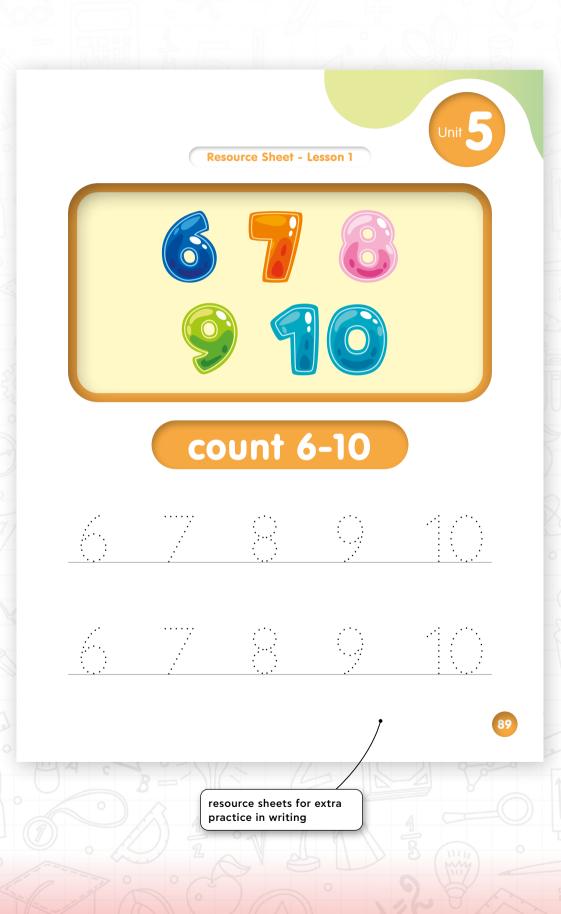
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Lesson 1 Count 6-10

#### **Lesson Plan**

Unit

#### What you will need:

Materials: coloured pencils, pencils Resources: RS numbers 6-10, More Practice 5.1 Flashcards: count 6-10, number eight, number nine, number seven, number six, number ten

#### Look at the pictures.

- Have Ss open their book at page 58.
- Draw Ss' attention to the pictures, and ask them to say what they see (the numbers 6-10, fruit and vegetables).
- Remind Ss that in order to count the fruit and the vegetables, we should point to each fruit or vegetable one by one and say the numbers in order. Remind Ss that we start saying the numbers in order from number 1, as number 0 shows that we have nothing.
- Show Ss each picture one by one and ask Ss to count how many fruit or vegetables there are in each picture (6 oranges, 7 peppers, 8 apples, 9 lemons, 10 pineapples).
- Ask Ss questions such as the ones below to help them practise counting. Keep in mind that you should ask Ss to count up to 10 objects:
- > How many coats are there on the wall?
- How many books are there on the shelf?
   How many boxes of puzzles are there in the classroom?
- > How many desks are there in the classroom?
- Ask Ss to point at each object one by one while counting.



# 58

#### Flashcard game

- Show Ss the flashcards 'number six', 'number seven', 'number eight', 'number nine' and 'number ten'. Ask Ss to count aloud from 6 up to 10.
- Have Ss sit in a circle. Explain to Ss that you will show them a flashcard with a number, and they should show the same number of fingers as the number they see on the flashcard. You can show Ss the flashcard 'count 6-10' to remind them how we use our fingers to show the number we see. Give Ss some time to look at the flashcard and then hide it.
- Give Ss some time to do the activity.

64

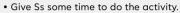
## detailed lesson plans

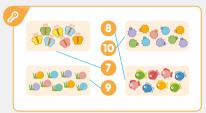
games with flashcards that help students learn words in a fun way

### Lesson 1

Lesson 1

• Explain to Ss that they will count the animals in each group and then draw lines to match the animals with the correct number.





## **Resource Sheet**

- Ask Ss to turn to page 89.
- Show Ss how to hold the pencil correctly in order to write.
- Ask Ss to trace the numbers 6, 7, 8, 9, 10.
- Give Ss some time to do the activity.

## More practice

- Provide each S with a photocopy of More Practice 5.1, a pencil and coloured pencils.
- Explain to Ss that they should look at the number and draw that many lollipops in the box. Then they will colour in the lollipops they drew.
- Give Ss some time to do the activity.

- Ask Ss to turn to page 59.
- Provide each S with a pencil.

Activity 1 Count and circle the correct number.

**\_\_\_** 

9 8

..... **...** 

10 9

Activity 2 Draw lines to match.

7

**NO** 

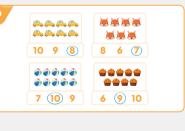
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 $\langle \mathcal{D} \rangle$  6

6 9 10

- Explain to Ss that they will count the objects in each picture and circle the correct number in the box next to each picture.
- Give Ss some time to do the activity.



key to the activities of the Student's Book

65

for More practice

extra section with activities

# **Revision 5**

## **Lesson Plan**

- What you will need:
- Materials: coloured pencils, pencils Resources: Colour in Unit 5 Flashcards: count 6-10, days of the week, equal, less, more, number eight, number nine, number seven, number six, number ten, short, shorter, sorting, tall, taller

#### Revise the previous lessons.

- Have Ss open their book at page 70.
- Give Ss some time to look at the picture.
- Show Ss all the flashcards of the unit one by one, in order to revise all the words taught.
- Ask Ss questions, such as the ones below to help them do some brief revision:
  Can you count up to 10?
  - Which number is after 7?
- Which number is before 10?
- > Which number is between 8 and 10?
- > Which number is after 5?
- > Which is taller, a castle or a house?
- > Let's say lan and I have an equal number of friends. I have 6 friends. How many friends does lan have?
- > I have two lists. One list with food and one list with drinks. Where should I put a pizza and where should I put an orange juice?
- > Today is Friday. What day is it tomorrow?> Which day don't you go to school?

#### Activity

- Provide each S with a pencil.
- Explain to Ss that they will count the jars of jam and circle the correct number in the box below. Then they should tick the two pictures that have an equal number of jars.
  Give Ss some time to do the activity.

 Revision

 5
 more

 4 and the week
 equal

 count 6-10
 sorting

 less
 sorting

 short
 taller

 numbers 6-10
 taller

 Activity1
 Circle the correct number. Then tick (x) the equal groups.

 Image: Imag

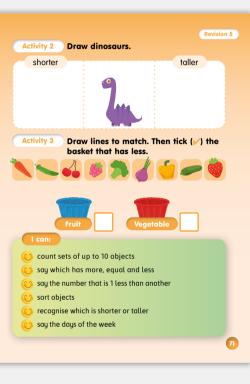




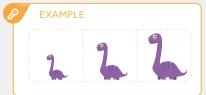
76

revision pages to help students revise the important words and concepts of the unit

## **Revision 5**



- Provide each S with coloured pencils. • Explain to Ss that they will look at the picture in the middle and draw a shorter dinosaur on the left and a taller dinosaur on the right.
- Give Ss some time to do the activity.



## Activity 3

- Explain to Ss that they should draw lines to sort the pictures according to the type of food they are, vegetable or fruit. Then, they should tick the basket that has less food. • Give Ss some time to do the activity.



• Now, read the sentences of the 'I can' section one by one and discuss them with Ss to understand the level of knowledge and skills they have achieved.

- Ask Ss to turn to page 99. • Provide each S with coloured pencils and
- ask them to colour in the tall and short
- knights. • Give Ss some time to do the activity.

In the next lesson, Ss will be working with crafts. They are asked to prepare a construction. Please go to the 'Hands for Crafts' section of this unit on page 82. Read the instructions and prepare the materials that you will need in class.

77

more activities for extra practice

## Hands for crafts

Unit

### What you will need:

- Materials: coloured pencils, eye stickers, glue, kitchen paper rolls, pieces of coloured card, pieces of coloured paper, pipe cleaners, pom-poms, scissors, toilet paper rolls
- Provide each S with a kitchen paper roll, a toilet paper roll, scissors, pieces of coloured paper and glue.
- Explain to Ss that they will make a tall and a short object. The object may be an animal, a rocket, a robot, a monster, etc.
- Explain to Ss that they will cut out and glue the pieces of coloured paper on the paper rolls.

# Ss should be careful when using scissors.

• Provide Ss with pieces of coloured card. Assist Ss in drawing and cutting out shapes such as wings, tails, teeth, etc. depending on what object they want to make.

- Ask Ss to glue the drawings on their paper rolls.
- Provide Ss with eye stickers, pom-poms, pipe cleaners, coloured pencils, etc. and encourage them to decorate their craft depending on the object they make.
- Give Ss some time to do the activity.



82

crafts section related to what students were taught in the unit



# **Useful Vocabulary**

achieve	to reach a goal, something that we want to do and we have worked hard to get it
acquire	to get something, sometimes after a lot of work or trying hard
appropriate	the right thing
assist	to help someone do something
calendar	a table which shows details such as the days of the week, the months, the national holidays, etc.
circle	to use a pencil, pen, etc. to make a line all around something
clap	to join my hands together and make a noise while joining them
colour in	to draw blue, red, yellow, etc. in a picture
compare	to say the things that are the same and that are different about two things or people
connect	to learn that two things go together
construction	something Ss make using materials like string, cardboard, paper, etc.
corncob	a part of a plant to eat which is long and yellow with sweet seeds
correctly	that is the right way to do something
count	to use numbers such as 1, 2, 3, etc. to find the total of something
cut out define	to use scissors to make pieces of something to say clearly what something is, what
draw	it shows to make a picture with pencils,
	pens, etc.; to make someone look at something and listen to you
draw lines	to use a pencil or a pen to make a long mark on paper
drawing	a picture we make when we use pencils, pens, etc.
emphasise	to show Ss that something is very important
encourage	to help Ss say or do something correctly and more often something that is soft and you can
fluffy	change its shape if you push it or squeeze it
fold	to move the top of a piece of paper next to the bottom and push it along the middle of the paper
gradually	to do things slowly during a period of time
hopscotch	a game with numbered squares drawn on the ground in which children jump in number order from square to square
in order	the right way to put some things next to each other
in turn	used to show that one person does something then the next person does the same, etc.
136	

	write
nowledge	all the information we get about something when we read, study or listen about it
ayer	an amount of a material that sits flat on top of or in between other materials
natch	to choose things that are like each other or that go together
nime	to copy what someone or something does without talking
nove	to change a position
obtain	to get or make something
	something that does not match with the other things in a group
	one thing after the other
	two things that we put, use, or join together
	a design (e.g. two blue circles then a red square) that we can see again and again
	something you make when you put one thing on top of the other
	to show with your finger
-	a piece of paper on an object, e.g. some clothes, that shows how much this object costs
orovide	to give
	not in an organised way, by chance
	to put things in a new order
	an object we use to change the channels on a television
epeat	to do the same thing again
	to read something again to remember it
	things organised in a straight line, one next to the other or one behind the other
	to mix and change the order of objects
	to fall down because your foot moved along the ground in a way you didn't want
	something that is difficult to change its shape if you push it or squeeze it
	to put things together that have something in common, e.g. colour, shape, material
	to push an object to change it to be smaller and hc
table	not moving
tamp	to put your foc and make nois
	not to move
	a children's go when we put tl straight lines
race	to follow the d to write a work
	having a straic

nputer which we use to

a vocabulary section provides extra help to the teacher

# **Materials**

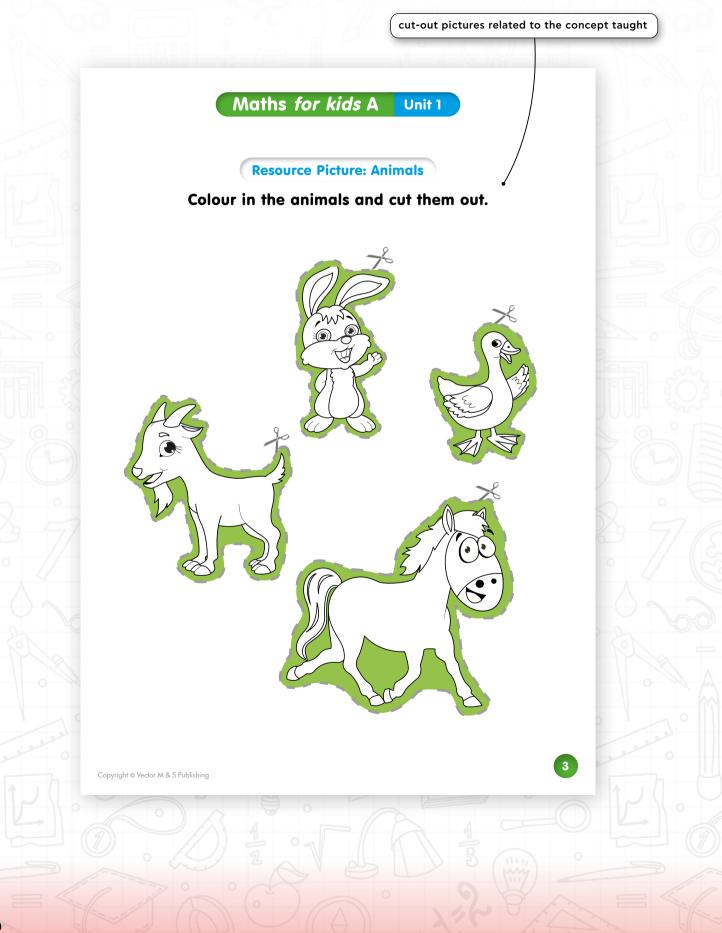


a list of the necessary materials is presented at the back of the book

# Maths for kids A, Teacher's Digital Resources - Sample pages



Maths for kids A, Teacher's Digital Resources - Sample page

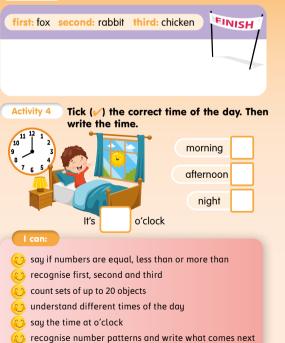


# Maths for kids A, Teacher's Digital Resources - Sample page





Activity 1 Count the fruit and write the numbers in the boxes provided. Then write <, >or = in the box provided.Activity 2 Write what comes next in the number pattern.



20

70



## What you will need

Materials: coloured pencils, pencils Resources: RP Comparison signs, RS more than, RS less than, More practice S1 Flashcards: equal, less than, more than

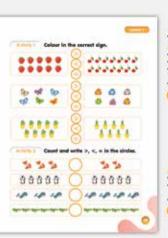
Lesson 1

More than

- Plankcord: equal, less than, more than
  Explored: equal, less than, more than
  Explored: the preserve
  I have six open their book or page 58.
  Thome Sir attention to the pictures, and ask them to say whort they see (kid, bollocens, etc.).
  Thome Sir attention to the picture at the top left. Ads 5 so court how many balloons each kid hor.
  Explain to Si that the boy has 7 ballocens, and the gill have 2 ballocens, and the gill have 2 ballocens, and termind So that this is why we say that the boy hor more ballocens than the girl.
  Oraw Sir attention to the words and the sign at the bottom of the picture. Explain to Sis that the open part of the sign is tooking towards the 7 ballocens which are more than the 2 ballocens. So, we say that the boy has more ballocens than the girl.
  Oraw Sir attention to the words and the sign is looking towards the 7 ballocens which are more than the 2 ballocens. So, we say that the boy has more ballocens than the girl.
  Oraw Sir attention to the top right picture. Adv Sis to court how many balloons each kid hos.
  Dabloons and the big on the right has 2 ballocens and the big on the left has 2 ballocens and the big on the right has 2 ballocens and the big on the right has 2 ballocens and the big on the word and sign of the bottom of the picture. Explain to 5s that the use this sign to thow the total of an other bottom of the picture. Explain to 5s that the use this sign to thow the total of an other bottom of the picture. Explain to 5s that the sign at the boy has no see equal. Explain to show the total of an other bottom of the picture. Explain to 5s that the use this sign to thow the total of an other his sign to tow see this sign to thow the total of an other big that the order to use the sign to thow the total of an other big total of the sign. 6.0

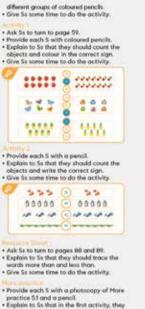


 Draw Si' attention to the picture at the bottom of the page, and follow the same steps as in the incree than'sign to explain it to the Si.
 Ask Si guardians such as the ones below and draw the questions on the board, to help Si understand the use of the signs. If we have 4 children in one group and 2 children in another group which sign will we use to show that the first group has more children than the scread resurce? we use to show that the first group has more children than the second group? If we have a group with 5 children in one group and 7 children in another group which sign will we use to show that the first group? If we have the same number of children in both groups, e.g. 2 children in and forther in both groups, e.g. 2 children in and group and 2 children in the other group, which



sign will we use to show that both groups have an equal number of children?

- . Show Ss the flushcard 'more than', 'less than',
- Show Ss the Bashcord 'more than,' less than,' issued'. Say the worth of each flashcard and have Si repeat them after you.
   Divide Ss in two groups. Place the comparison signs in fines of the groups. Explain to the Ss that each group, in turns, will ny to put the correct comparison sign in the middle of the groups of coloured pencils you will make, according to the comparison word you say. Repeat the activity with the other group with



Lesson 1

Explain to 5s that in the first activity, they should look at the numbers on the left and on the right of the sign and put a tick only for the correct ones and in the second activity, they should write the correct comparison sign.
 Give 3s acome time to do the activity.

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Revision 3

# **Revision 5**

What you will need: Materials: coloured pencils, pencils Resources: Colour in Unit 5 Resources: Colour in Unit 5 Flashcards: afternoon, equal, first, less than, more than, moming, night, number eighteen, number seventeen, number pattern, number seventeen, number sixteen, number twenty, o'clock, second, third

- How is open their book of page 70.
   Have Si open their book of the picture.
   Show Si soll the floathcards of the unit one toy
   one, in order to revise all the words tought,
   Auk Sis questions, such as the ones below to
   help them do some biel revision:
   h it moming, affermaon or night right now?
   How many books are there on the shel?
   Who gets the gold media, the first, the
   second or the third winner?
   h 18, 12, 14, 12, 14, 27 o number pattern?
   h 16, 15, 14, 17, 16, 17 o number pattern?
   h 16, 15, 14, 17, 16, 17 o number pattern?
   h 16, 15, 14, 17, 16, 17 o number pattern?
   h 16, 15, 14, 17, 16, 17 o number pattern?
   h to have a shower in the moning or the
   aftermaon?

Accuracy Provide each 5 with a pencil. Explain to 5s that they should count the apples and the bananas and write the number of each huil next to the correct picture. Then, they should write one of the signs e, a or = in the back provided to show which fault is more or less, or if they are even equal. • Give Ss some time to do the activity.



670670

Explain to 5s that they should look at the number pattern in the second activity and write the correct numbers in the bases provided to continue the number pattern.
 Give 5s some time to do the activity



Explain to 5s that they should read the words in the box and then stick the stickers in the correct order.
 Tell 5s to find the stickers of the unit at the sticker page.



Stick the stickers. ists! the Tick (-) the correct time of the doy. Then why if runthers are equal. See they are recognize First, second and blood

transformer from the second state of a print 20 states of the state of recognize number petieries and write what came

### · Give 5s some time to do the activity:



. Explain to Ss that they should look at Explain to Ss that they should look at the picture concluy and trick the correct word that shows what time of the day it is outside, morning, afternion or night. Assist S by showing them the picture of what the boy is doing or what is outside of the window. Then, ask Ss to look at the clock and write

## the correct number to show the time • Give Ss some time to do the activity.



# Now, read the sentences of the 't can' section one by one and discuss them with Se to understand the level of knowledge and skills they have achieved.

Ask Ss to turn to page 99
 Provide each S with coloured pencils and ask them to colour in the picture.
 Give Ss some time to do the activity.

In the mart lesson, So will be encloing with crafts. They are saked to prepare a construction. Places go to the 'Honda' for Crafts' section of the unit or page 82. Read the instructions and prepare the marterials that you will meed in class.

Hands for crafts	More Practice 5.1
Wat you will need:	More Practice         5.1           Name:
<ul> <li>Finally, toke all Ss' clocks and hong the final state and the final state an</li></ul>	Activity 2       Write <, > or =.         Image: Constraint of the state of the s
string and tape. • Give Ss some time to do the activity.	Copyright © Vector M & S. Publishing 107

# Maths for kids B, Teacher's Digital Resources - Sample pages

