

This publication is not for sale



Kano State Government

Produced with the support of

Education Sector Support Programme in Nigeria



kano-num-2-weeks-11-15-closeout.indd 1 11/8/16 6:05 PM

Type of lesson plans/

Grade

Term/ Learning theme

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Weeks

11—15

Numeracy lesson plans
Primary 2 Term 2
Involving pupils
in their learning

This is the third in a series of six numeracy lesson plan publications, designed to be used throughout the three academic school terms.







The quality of education is a key element to socioeconomic development in any society. Perhaps the most critical element in ensuring quality of education to output. The majority of is the teacher. Good teaching methodology, with the right textbooks. will quickly provide a good platform for a quality education system in Kano State.

The challenges are sometimes overwhelming when you have 5,335 schools with over 2.3 million children and 46.643 teachers. The Kano State Ministry of Education carried out a series of baseline surveys to assess classroom teachers, the role of the head teacher and the level of pupil learning outcomes.

The findings in most cases were alarmingly poor, with not much difference between aualified and unaualified teachers with respect teachers were themselves victims of an education system that was in a serious downward slope.

Following this, the Kano State Ministry of Education, the State Universal Basic **Education Board (SUBEB)** and local government education authorities (LGEAs), supported by the **Education Sector Support** Programme in Nigeria (ESSPIN), embarked on a series of reforms that will help strengthen schools.

This work has focused on classroom teaching skills in particular how to make teaching child-centred and the organisational structures needed for SUBEB and LGEA staff to provide effective support and advice to primary schools.

With many school leavers unable to read or write. a specific focus has been on improving the teaching of basic literacy and numeracy. To support this, Kano State has developed a benchmark for assessment and carefully designed literacy and numeracy lesson plans for Primary 1—3 teachers. These plans provide a step-by-step quide to teachers, while ensuring children become active learners.

The lesson plans, however, are not sufficient. Structures and processes have also been put in place so that teachers are continuously supported by both the State School Improvement Team and the LGFA-based school support officers.

We are sure that within a short time of these lesson plans being introduced, children's learning abilities will improve considerably. The materials will also enable teaching and learning to be more exciting – an important element in all classes, but in particular at the primary level. We are confident that these lesson plans will raise standards and improve the quality of children proceeding to higher levels of education.

We commend all those who have produced these lesson plans and trained our teachers to use them. We offer thanks to the UK Department for International Development (DFID) for its ongoing support to education reform in Kano State through its ESSPIN programme. Let's make every Kano school an improving school.

Barister Faroug Iva Sambo

Honourable Commissioner of Education Kano State

Wada Zakari

Executive Chairman SUBFR Kano State



Term 2 Involving pupils in their learning

Introduction Involving pupils in their learning

Weeks 11—15





Learning must be an active process on the part of the learner.

How children learn

These lesson plans provide you with a variety of techniques to make learning faster, fun and more effective. The plans use activities that reflect the way in which pupils naturally learn, and attempt to bring the joy back into learning for children.

Every individual in your class responds to activities differently and learns their own way, but generally children learn best when they:

Have objects to see and hold.

Take part in the lesson.

Can talk to each other to share ideas and learning.

Practise what they have learned individually, in pairs and in groups.

Are given activities that challenge them and make them think.

Receive encouragement and praise.

Realise that making mistakes is an important part of the learning process.

This third set of lesson plans contains lots of activities to encourage learning through different methods.





Numeracy lesson plans Primary 2

Term 2
Involving pupils in their learning

Counters

Ask the pupils to help you collect together as many bottle tops, small sticks and small stones as they can. Put them into jars to keep in the classroom and use to help with counting.

Weeks 11—15

kano-num-2-weeks-11-15-closeout.indd 7 11/8/16 6:05 PM



Shapes

Ask the pupils to help you collect different shapes from notes by cutting them out around the local area, eg: Boxes are cuboids. Tubes and pipes are cylinders.

Balls are spheres.

Money

Make sets of coins and of a cardboard carton and writing the correct amounts on them.

Hundred square

A Hundred square can be used to:

Find number patterns. Identify odd and even numbers.

Help with counting.

Help with addition.

Help pupils see the relationship between addition and multiplication.

Help pupils see the relationship between the multiplication tables.

Hundred squares have lots of patterns. Here are examples of some of them.

Vertical patterns (down):

The numbers rise in Tens eg: 1, 11, 21, 31.

Each line is either all odd or all even.

Horizontal patterns (across): Each line follows the pattern odd, even, odd, even.

The Hundred square below shows patterns when counting in twos (bold), fives (thicker frame) and Tens (white boxes).

Hundred square

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

Numeracy lesson plans Primary 2

Term 2
Involving pupils in their learning

Weeks 11—15

Introduction Songs, rhymes and games for the term

The time song

60 seconds make 1 minute / 60 minutes make 1 hour / 24 hours make one day.

The clock rhyme

Tick tock, tick tock goes the clock / I know the time, it's _ o'clock.

Months of the year rhyme

30 days have September, April, June and November / All the rest have 31, except February alone – 28, and 29 in each leap year.





At 6 o'clock I get out of bed and say good morning, good morning to you / At 8 o'clock I go to school. and say good morning, good morning to you / At 10 o'clock we have a break and say good morning, good morning to you / At 2 o'clock we go back home in the afternoon. in the afternoon / At 5 o'clock we help in the house in the afternoon. in the afternoon / At 7 o'clock we eat our dinner in the evening. in the evening / At 9 o'clock we go to bed and sleep all night.

Days of the week song

There is no school on

Saturday There is no school on Sunday / Only on Monday, Tuesday, Wednesday, Thursday and Friday / There is no school on Saturday. There is no school on Sunday / So work hard and don't be late.

Days of the week rhyme

On Monday I walk to school / On Tuesday I run to school / On Wednesday I jump to school / On Thursday I skip to school / On Friday I walk, run. jump and skip to school / On Saturday I stay at home / And on Sunday I stay at home.

What's the time, Mr Lion? What's in the bag?

One pupil stands with their face against the wall so they can't see the other pupils.

The other pupils stand behind and chant: 'What's the time. Mr Lion?'

The pupil pretending to be the lion turns around to look at the others and shouts a time, eq: 'it's 10 o'clock'.

The others have to stand absolutely still and not move.

The 'lion' then turns around and shouts a different time.

This continues until the lion shouts 'dinner time' and chases the rest of the pupils to try and catch them.

Play the game once or twice.

Put a selection of shapes in a baa.

Ask a pupil to come out and feel a shape inside the bag, describing what they feel to the rest of the class. without using the name of the shape.

Ask the rest of the class to guess the name of the shape.

Ask the pupil to take the shape out of the bag and see if the class was correct.

Repeat.









Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 11 **Numbers 0—999** Day 1

Counting from

0-200

Learning outcomes

By the end of the lesson, most pupils will be able to:

Sequence the days of the week.

Count from 0—999.

Teaching aids

Before the lesson:

Have ready a number square with numbers 101—200.

Collect together enough counters for everyone in the class to have about 20 each.

Have ready a set of number cards from 0—9.

Read New Method Mathematics 2. page 4, Exercise A, questions 1—5.

Daily practice

minutes

Song

Whole class teaching

Sing the 'Days of the week' song twice with the pupils.

Ask the pupils if any of them have a day of the week they like the best.

If they do, ask them why they like that day.

Ask the question again and see if another pupil has a different answer.









25 minutes

New Method Mathematics 2

10 minutes

Introduction

Whole class teaching

Write '100' on the chalkboard and ask individual pupils to tell you anything they know about it.

Ask each group to look at the number square you have prepared.

Ask the pupils to use the number square to read the numbers 101—150 aloud together once.

Then ask one table to read 151—160, another table 161—170, and so on, up to 200.

Ask the pupils what they notice about the numbers between 100 and 200, eg: they repeat 1—99 but have 100 in front of them.

Main activity

Whole class teaching

Place the number cards face down on your table, giving one pupil the number 1 card to hold.

Ask two pupils to come out and pick a card, then stand together with the third pupil to make a number between 100 and 200.

Ask if anyone can read that number to the rest of the class.

Ask each pupil to find that number on the number square you have drawn.

Repeat with different numbers and continue playing the game until 10 numbers have been identified on the number square.

Individual task

Ask all the pupils to complete the number table in New Method Mathematics 2, page 4, Exercise A, questions 1—5.

Plenary

Whole class teaching

Bring out nine pupils and give each pupil a number card to hold so the rest of the class can see them.

Ask these nine pupils to stand in groups of three and make three, three-digit numbers together.

Ask the class to help the pupils stand in order, from the smallest to the largest number.





Numeracy lesson plans **Primary 2**

Term 2 **Involving pupils in** their learning

Week 11 **Numbers 0—999** Day 2

Counting from 0-999

Learning outcomes

By the end of the lesson, most pupils will be able to:

Identify some events and activities that always take place at a particular time of the year.

Count from 0—999.

Teaching aids

Before the lesson:

Write a list of the months of the year on the chalkboard.

Have ready a set of 0—9 number cards for each pair.

minutes

Rhyme

Daily practice

Whole class teaching

Say the 'Months of the year' rhyme.

Ask the pupils if they can tell you months in the last year which had significant events for them or for everybody, eg: a religious celebration in October, brother's wedding in March.

Ask them to come and underline that month on the list on the chalkboard.







25 minutes 10 minutes

Introduction

Whole class teaching

Ask three pupils to come out and pick a number card from your table and show it to the class.

Ask them to stand together to make a three-digit number.

Ask the pupils to put up their hand if they can read the number.

Repeat five times.

Main activity

Pair task

Give each pair a set of number cards from 0—9.

Tell the pupils to take turns to make three-digit numbers and read them to each other.

Ask them to tell their partner what the value of each digit is worth.

Ask them to say what number comes after the number they have made.

Ask them to say what number comes before the number they have made.

Plenary

Pair task

Ask one member of each pair to choose a number between 0 and 200 without saying which number they have chosen.

Tell the other pupil in the pair they have to ask questions to find out what number the pupil is holding, eg: 'Is it more than 10?' 'Is it less than 100?'

Continue until each pupil has had two turns.





'More than' and

'less than'

Numeracy lesson plans Primary 2

Term 2
Involving pupils in their learning

Week 11 Numbers 0—999 Day 3

Learning outcomes

By the end of the lesson, most pupils will be able to:

Identify some events and activities which always take place at a particular time of the year.

Order numbers from 0—999 using the terms 'more than' and 'less than'.

Teaching aids

Before the lesson:

Have a set of Hundreds, Tens and Units and place value cards for each pair.

Have ready 15 number cards, each with a number between 0 and 999 written on them.

Have ready a set of number cards from 0—9 for each pair.

Daily practice

minutes

Rhyme

Group task

Say the 'Months of the year' rhyme with the pupils.

Ask them if they can work out how many days there are altogether in June and July. Tell them they can write it down in their exercise books to help them.

Ask if they can work out how many days there are altogether in January and September without using pencil and paper.

Ask them to explain how they worked out the answer.







Introduction

Main activity

Pair task

Give out a set of place value cards to pairs of pupils.

Call out the number 169 and ask each pair to make that number using their place value cards.

Ask pupils questions to help them understand the value of each digit. Ask:

'How many is the 1 worth?' (100)

'How many is the 9 worth?'
(9)

'How many is the 6 worth?' (60)

Repeat for different numbers, up to 999.

Pair task

Ask the pupils to tell you what the terms 'more than' and 'less than' mean.

Ask each pair to write down, as fast as they can, 10 numbers which are 'more than' 100 and 10 numbers that are 'less than' 100.

Write five pairs of numbers between 100 and 999 on the chalkboard.

Ask each pair to answer the following question for each pair of numbers: 'Which number is more than the other?' Ask each pair to answer the following question for each pair of numbers: 'Which number is less than the other?'

Ask one pupil from each pair to come out and draw a circle around the numbers that are 'more than' or put a square around the numbers that are 'less then'.

Plenary

Whole class teaching

Put a pile of number cards on the table and ask a pupil to come out, pick one and hold it up for everyone to see.

Ask the rest of the pupils to guess the answer to the following question: 'Will the next card be more than or less than this one?'

When the guess has been made, ask that pupil to pick the next card from the pile and check. If the class guessed correctly, the pupil can stay. If they haven't guessed correctly, ask them to choose another pupil to come out and choose the next card.

Continue until you have a row of about eight cards.



than?

How many more

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 11 **Numbers 0—999** Day 4

Learning outcomes

By the end of the lesson, most pupils will be able to:

Say different times.

Use a number line to answer the question 'How many more than?'

Teaching aids

Before the lesson:

Read through the lesson carefully and make sure you understand it.

minutes

Game

Daily practice

Whole class teaching

Play 'What's the time, Mr Lion?' from the introductory section.







10 minutes

Introduction

10

minutes

Main activity

Say 10 numbers from 0—999 and ask the pupils to say a number that is 'more than' each number.

Whole class teaching

Group task

Show the pupils how to write a number line between two given numbers, eg: 150 and 157.

150 152 153 154 155 156 157

Ask them to copy this number line into their exercise book.

Ask each pupil to draw the jumps between the two numbers.

Ask pupils to tell you the number of jumps they made.

When they have given you the answer, explain that 157 is 7 more than 150.

Ask each group of pupils to draw a number line for each of the following pairs of numbers:

143 and 156 270 and 281 520 and 527

Ask each group to draw the jumps between the two numbers and answer the question, 'How many jumps between

the numbers?'

Ask a pupil from each group to give an answer using the expression 'more than' as above, eg: '156 is 13 more than 143'.

Individual task

Ask the pupils to draw number lines in their exercise books between: 92 and 106 399 and 408 114 and 115 199 and 203 549 and 553 324 and 329 678 and 679

Ask them to count the number of jumps between each pair and answer the question,

'How many more than?'

Plenary

Pair task

Ask the pupils to tell the answers to their partner using the phrase 'more than'.





Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 11 **Numbers 0—999** Day 5

How many less than?

Learning outcomes

By the end of the lesson, most pupils will be able to:

Use the term 'o'clock' to describe different times of the day.

Use a number line to answer the question 'How many less than?'

Teaching aids

Before the lesson:

Read through the lesson plan carefully and make sure you understand it.

minutes

Daily practice

Whole class teaching

Rhyme

Teach the pupils the 'Time of the day' rhyme.

Ask them to make up their own lines which are relevant to them, eg: at 7 o'clock I...







25 minutes

minutes

Introduction

Main activity

Whole class teaching

Say 10 numbers from 1—999 and ask the pupils to tell you a number that is 'less than' each number.

Whole class teaching

Remind the pupils how to write a number line between two given numbers, eg: 54 and 66.

In their exercise books, ask them to draw the number of iumps between this pair of numbers starting from the largest number and jumping back to the lowest number.

Ask them to tell you the number of jumps they made.

When they have given you the answer, explain that 54 is 12 'less than' 66.

Group

Ask pupils to work in groups and write a number line for each pair of numbers below.

Ask the groups to draw the jumps between the two numbers and answer the question. 'How many jumps between the two numbers?': 116 and 112 527 and 520 700 and 693

Ask a pupil from each group to give an answer using the expression 'less than' as above, eg: 112 is 4 less than 116.

Pair task

Write the pairs of numbers below on the chalkboard.

Ask pupils to draw a number line and answer the question 'How many less than?' for each sum: 115 is 99 305 is 295 117 is 103 177 is 159 263 is 249 929 is 925 911 is 892

Plenary

Pair task

Ask the pupils to tell their answers to their partner using the phrase 'less than'.









Numeracy lesson plans Primary 2

Term 2

Involving pupils in their learning

Week 12 Money Day 1

Reviewing money

Learning outcomes

By the end of the lesson, most pupils will be able to:

Count from 0—999.

Say how many smaller value notes make up a larger value note.

Teaching aids

Before the lesson:

Have ready a selection of Nigerian coins and notes for each group.

minutes

Daily practice

Whole class teaching

Ask the pupils to stand in a circle.

Ask each pupil to say a number between 200 and 300.

Count around the circle from that number until you reach 300.

Repeat, using different start and end numbers.





25

minutes

minutes

Introduction

Main activity

Whole class teaching

Ask the pupils to tell you anything they know about money and record their ideas on the chalkboard.

Show various coins and notes to pupils and allow them to handle them.

Ask pupils to identify the amount written on each coin than once. and note.

Ask pupils to identify symbols on the coins and notes that stand for Kobo and Naira.

Ask if they can remember how many Kobo there are in one Naira.

Group task

Give each group a selection of coins.

Ask them to work out as many different ways as they can to make N1 using their selection of coins.

Remind the groups that they can use each coin more Ask each person in the group to record their answers by drawing and labelling the coins in their exercise books, eg:





Plenary

Whole class teaching

Ask each group to share their ideas with the rest of the class.





Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 12 **Money** Day 2

Naira and Kobo

Learning outcomes

By the end of the lesson, most pupils will be able to:

Order numbers from 0—200.

Explain the relationship between Naira and Kobo.

Teaching aids

Before the lesson:

Have ready a blank number card for each pupil.

Have ready a selection of Nigerian coins and notes.

Daily practice

minutes

Whole class teaching

Give a blank card to each pupil and ask them to write a number between 5 and 999 on it.

Choose five pupils to come out and hold up their numbers.

Tell these pupils to stand in order, according to number size.

Ask the rest of the class to check they are correct.

Tell another set of pupils to come out and repeat the activity.

Tell all the pupils to stand in groups of five with their number cards.

Ask them to put their numbers in the correct order, from the highest to the lowest number.





25 minutes

minutes

Introduction

Whole class teaching

Give each pupil a Naira note Ask the rest of the class worth up to N100.

Select the pupil holding N20 to stand in front of the chalkboard, holding their note so the rest of the class can see.

Ask the rest of the class to hold up their notes.

Ask someone to point out notes which make up N20, eg: N10 and N10.

Bring the pupils holding those notes to the front and ask them to stand in a line.

to check that those notes make N20.

Repeat three times with different values of notes. up to N100.

Group task

Main activity

Ask pupils to put all their notes in the middle of the table and pick one out.

Ask them to identify as many ways as they can of making that amount from Naira notes.

Ask them each to record their answers in their exercise books.

Plenary

Whole class teaching

Ask each group how many answers they found.

Ask each group to tell the rest of the class one of the sums they made.





Numeracy lesson plans **Primary 2**

Term 2 **Involving pupils in** their learning

Week 12 **Money** Day 3

Values of coins to N1

Learning outcomes

By the end of the lesson, most pupils will be able to:

Read three-digit numbers and say the place value of each number.

Add two amounts of money.

Teaching aids

Before the lesson:

Collect a set of place value cards for each group.

Collect as many dice as you can for the pupils to use.

Set up a bank in the classroom where there is a large selection of Naira money cards, up to N100.

Daily practice

minutes

Group task

Give each group a set of place value cards.

Ask each member of the group to take it in turns to make a number using the place value cards.

Ask the rest of the group to tell them what that number is and how many Hundreds, Tens and Units it has in it.

Ask them to ask each other questions, eq:

'How many is each digit worth?'







Game

minutes

Introduction

Whole class teaching

Show the pupils where the bank in the classroom is located and ask them what they know about banks.

Write their ideas on the chalkboard.

Explain that they are going to play a game where one person in each group will have to visit the bank to collect money.

Write the chart below on the chalkboard.

Ask a pupil to come out, roll the dice then tell vou what number is on it.

Ask the rest of the class to look at the chart on the chalkboard and tell you how many Naira that number is worth, eg: if a two is rolled it is worth N10.

Repeat five times until most of the class understands.

Main activity

Group task

Give each group a dice and tell them to take turns to throw it.

When it lands, tell that pupil to look at the chart on the chalkboard and say how much it is worth.

Ask them to go to the 'bank' and collect those notes.

Repeat with the next person in the group and continue until everyone has had two turns going to the bank.

Ask each pupil to add together their two notes and say how much money they have.

The pupil with the most money is the winner.

Individual task

Write the following on the chalkboard:

N10 + N20 =N20 + N20 =

N30 + N20 =

N30 + N40 =

Ask the pupils to write the answers in their exercise books.

Plenary

Pair task

Ask each pair to compare their answers and help each other work out the correct answer if necessary.

Dice value chart















Shopping

Numeracy lesson plans

Primary 2

Term 2
Involving pupils in their learning

Week 12 Money Day 4

Learning outcomes

By the end of the lesson, most pupils will be able to:

Identify Hundreds, Tens and Units in a number.

Find the cost of two objects.

Teaching aids

Before the lesson:

Have ready a set of place value cards for each pair.

Collect a selection of items to make a market in the classroom. Put a label on each item with a price below N100 which can be bought with one note, eg: pencil = N10, packet of sweets = N20.

Make a set of Naira note money cards N5, N10, N20, N50, N100, for each group.

15 minutes

Daily practice

Pair task

Write the following numbers on the chalkboard: 142, 156, 247, 444, 571.

Ask the pairs to use their place value cards to make them.

After each number, ask the pupils to tell you how many Hundreds, Tens and Units are in that number.







25 minutes

minutes

Introduction

10

Main activity

Whole class teaching

Show examples of Naira notes to the pupils.

Ask them to choose one note and say what they might buy for that amount.

Show them two notes and ask.

'Which note is worth more than the other?'

Ask them. 'How much are these two notes worth altogether?'

Repeat with a different pair of notes.

Group task

Explain that you have set up a market and that each item has a price label.

Give each group a set of money cards.

Ask two pupils to come out, choose an item each and hold up the labels for the pupils to see.

Ask each group to pick out the Naira they will need to buy each item.

Ask them to add the two amounts together and answer the following question. 'How much would these two items cost altogether?'

Tell them that you are going to be the market seller.

Ask each group to send two pupils 'shopping' in the class market. Ask them to buy one item each.

Ask each group to use their money cards to work out how much their two items will cost and record the sum in their exercise books, eq: N10 + N20 = N30.

Ask them to repeat this until they have about 10 sums per group.

Plenary

Whole class teaching

Ask one or two groups to come out and explain how they answered the question.





Lesson

Shopping

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 12 **Money** Day 5

title

Learning outcomes

By the end of the lesson, most pupils will be able to:

Answer the question 'Which number is greater than?'

Identify notes needed to pay for an item.

Teaching aids

Before the lesson:

Have ready a set of place value cards for each pupil.

Re-label the items in the market so that it will take two notes to pay for them, eg: pencil N15, packet of sweets N40.

Have money cards ready in the bank and write the dice throw values from Day 3 on the chalkboard.

Daily practice

Pair task

minutes

Write the following sets of numbers on the chalkboard:

89 and 37

84 and 21

19 and 65

96 and 58

35 and 72

Look at 89 and 37 together. Tell the pupils that 89 is 'greater than' 37.

Ask the pupils to make the numbers using their place value cards.

Ask them to tell their partner which number in each pair is greater.

Ask the pupils to show their work to the pair sitting next to them and see if they have the same answers.







25 minutes Game

10 minutes

Song

Introduction

Main activity

Plenary

Whole class teaching

Ask two pupils to shop in the market and one pupil to be the market seller.

Give the shopper some money cards to buy one item.

Ask the rest of the class to help them work out which notes they need to pay for that item.

Repeat this process five times with different shoppers and sellers.

Pair task

Play the 'Bank' game as on Day 3, this time continuing until the first person in the group gets N100.

While they are doing this ask different pairs of pupils to come out in turn and shop in the market.

Ask them to buy one item and work out what notes they need to pay for it.

If they are very confident with this, ask them to buy two items, work out how much altogether, then give the correct amount to the market seller.

Whole class teaching

Sing a counting song.



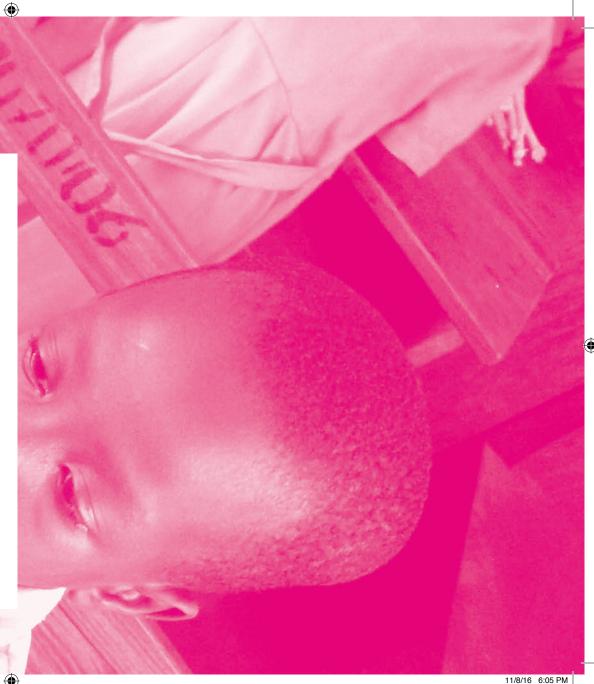


Words/phrases

more than cube cuboid cylinder sphere pyramid square rectangle triangle circle corners faces edges environment

Assessment

During the lesson, walk round the classroom and ask questions to see if the pupils clearly understand what you have taught them. If not, help them to understand by explaining the idea to them again, or asking other pupils to help them. You may need to use some different examples of the idea.





Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 13 **Shapes** Day 1

Shapes in the environment

Learning outcomes

By the end of the lesson, most pupils will be able to:

Recognise Nigerian coins and notes.

Identify cubes, cuboids, cylinders and spheres.

Teaching aids

Before the lesson:

Collect examples of threedimensional (3D) shapes, eg: cubes, cuboids, spheres and cylinders.

Daily practice

New Method

minutes | Mathematics 2

Pair task

Ask the pupils to look at the examples of Naira notes in New Method Mathematics 2, page 91.

Ask them to choose three Naira notes from the picture.

Ask them to say how much these notes are worth altogether and suggest something they could buy with that amount of money.

Ask each pair to share their ideas with the class.







25 minutes 10 minutes

Introduction

Whole class teaching

Show the pupils the selection of 3D shapes you collected and ask them to identify them.

Take the pupils around the school compound to find as many cubes, cuboids, cylinders and spheres as they can. Don't forget to look at the shapes of trees, buildings, furniture and doors.

Main activity

Individual task

Ask pupils to draw in their exercise books at least five objects that they have seen.

Plenary

Pair task

Ask the pupils to look at each others' drawings and try to guess the names of the shapes their friend has drawn.





Sorting shapes

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 13 Shapes Day 2

Learning outcomes

By the end of the lesson, most pupils will be able to:

Use the term 'more than' to place numbers in order.

Sort 3D shapes according to different criteria.

Teaching aids

Before the lesson:

Ask pupils to bring in as many different shaped 3D objects as possible, eg: cylinder, cube, cuboid, sphere, pyramid.

Have ready one set of 1—15 number cards.

Daily practice

minutes

Whole class teaching

Ask 15 pupils to stand in a straight line, one in front of the other, each holding a number card.

Ask a pupil to stand in front of a number from 5—8.

Ask the pupil to move five steps forward.

Ask the rest of the class which number they stopped at.

Ask them to say what happened using the term 'more than', eg: 12 is 5 more than 7.

Ask other pupils to do the same, starting from different numbers.







25 minutes 10 minutes

Introduction

Main activity

Whole class teaching

Put the 3D shapes on a table at the front of the classroom.

Ask the pupils to say where they found them and what they are used for.

Group task

Share the various shapes around the groups. They should have about 5—10 shapes each.

Tell the pupils to sort them according to something they have in common, eg: colour, number of sides or size.

Ask each group to explain how they have sorted them.

Individual task

Ask the pupils to draw the shapes in their exercise books, according to the way they have sorted them, eg: all the shapes that are blue or all the shapes that have the same number of sides.

Plenary

Whole class teaching

Put shapes into a bag without the pupils seeing you do this.

Ask pupils to come out, feel the bag and guess what shapes are inside.





Sorting shapes

title

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 13 Shapes Day 3

Learning outcomes

By the end of the lesson, most pupils will be able to:

Add two amounts of money together.

Identify the faces of shapes.

Teaching aids

Before the lesson:

Write the information for the 'Bank' game from Week 12, Day 3 on the chalkboard and collect dice and money cards.

Put 10 shapes on to the table and cover them with a cloth.

Bring in enough cardboard boxes (with the tops closed), for one between six pupils.

Collect crayons, glue, sticky tape, scissors and old bits of coloured paper and string that the pupils can use to decorate the boxes.

15

minutes

Daily practice

Game

Whole class teaching

Ask the pupils to play the 'Bank' game that you played in Week 12, Day 3.





25 minutes

10 minutes

Introduction

Whole class teaching

Explain to the pupils that you are going to remove the cloth and they have 30 seconds to remember everything they can see on the table.

Take the cloth away, give the pupils 30 seconds to look at the objects, then put the cloth back so the objects are hidden.

Ask each pupil to tell the person sitting next to them which objects they can remember.

Uncover the shapes again, then ask the pupils to put up their hands and tell you how many they remembered.

Ask one or two pupils to tell you how they remembered the objects.

Make it fun!

Group task

Main activity

Tell the pupils that the flat part of the shape is called the face.

Give each pupil a shape and ask them to count the faces on their shape.

Explain that you are going to help them remember that the flat part is called a face.

Put the pupils in groups of six and give each group a cardboard box.

Ask each pupil to draw a face on one side of the box (so there are six faces altogether).

Encourage the pupils to make their faces as attractive as possible, using colours and string for the hair if possible.

Ask the pupils to count the faces on their box.

Plenary

Whole class teaching

Ask the pupils to show their boxes with the faces on to the rest of the class.





Counting edges

and faces

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 13 **Shapes** Day 4

Learning outcomes

By the end of the lesson, most pupils will be able to:

Count the number of faces and edges on each shape.

Record findings in a simple table.

Use a number line to add two. two-digit numbers.

Teaching aids

Before the lesson:

Write the calculations in the daily practice on the chalkboard.

Draw the table on the right on the chalkboard.

Daily practice

Individual task

Look together at the calculations on the chalkboard:

19 + 16 =

minutes

26 + 13 =

22 + 25 =

47 + 19 =

Remind the pupils how to add using a number line.

Ask the pupils to answer the questions in their exercise books.

Shape	Square	Circle	Rectangle	Triangle
Cuboid	2		4	
Cylinder				
Pyramid				
Cube				





25 minutes

10 minutes

Introduction

Main activity

Whole class teaching

Ask the pupils if they can remember what the flat part of a shape is called.

Show them one of their boxes from the previous day and ask them what shape the face is (it should be a square or rectangle).

Whole class teaching

Show the pupils how to complete the table on the chalkboard, helping them to count the different shapes of the faces on each 3D shape.

Pair task

Ask the pupils to count the number of edges on each shape and draw their own table in their exercise book to record their answers, as shown below.

Plenary

Whole class teaching

Ask the pupils to say how many edges they found on each shape.

Shape	Square	Circle	Rectangle	Triangle
Cuboid				
Cylinder				
Pyramid				
Cube				



Lesson

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 13 **Shapes** Day 5

kano-num-2-weeks-11-15-closeout indd 45

title

Learning outcomes Faces of shapes

By the end of the lesson, most pupils will be able to:

Add and take away money, using the correct notes.

Count the number of corners, faces and edges on each shape.

Teaching aids

Before the lesson:

Read New Method Mathematics 2, page 110.

Collect 10 items from the previous week's shopping corner and label them with a price.

Daily practice

minutes

Whole class teaching

Sit the class in a circle, give one pupil three or four Naira notes and spread the rest in the middle of the circle.

Ask that pupil to count the money and say, eg:

'I have 25 Naira, I'm going to take away a N5 note, so I'm going to give vou N20'.

Ask them to put the note they have taken away into the middle of the circle and pass the notes they have left to the next pupil.

Ask the next pupil to do the same thing but change the amount they add or take away.

If they want to add, they should take the note from the middle of the circle so they can hand the correct amount to the next person.

Continue until it has gone all the way around the circle.







25 minutes New Method Mathematics 2 10 minutes

Game

Introduction

Whole class teaching

Ask one of the pupils to come out to the front and think of a shape, but not tell anyone which one they are thinking of.

Tell the other pupils that they are going to ask questions to find out which shape the pupil is thinking of but they:
Can only ask questions for which the answer is 'yes' or 'no'.

Can't have a direct guess until three questions have been asked.

They might ask questions such as:

'Is one of the faces a square?' (this game can be played in the pupils' local language).

Allow pupils to ask questions until the shape has been guessed and then ask another pupil to come out and think of a shape.

Main activity

Individual task

Ask the pupils to look at the picture in New Method Mathematics 2, page 110.

Tell them to choose three or four shapes from the picture and draw them in their exercise books.

Ask them to label the shapes.

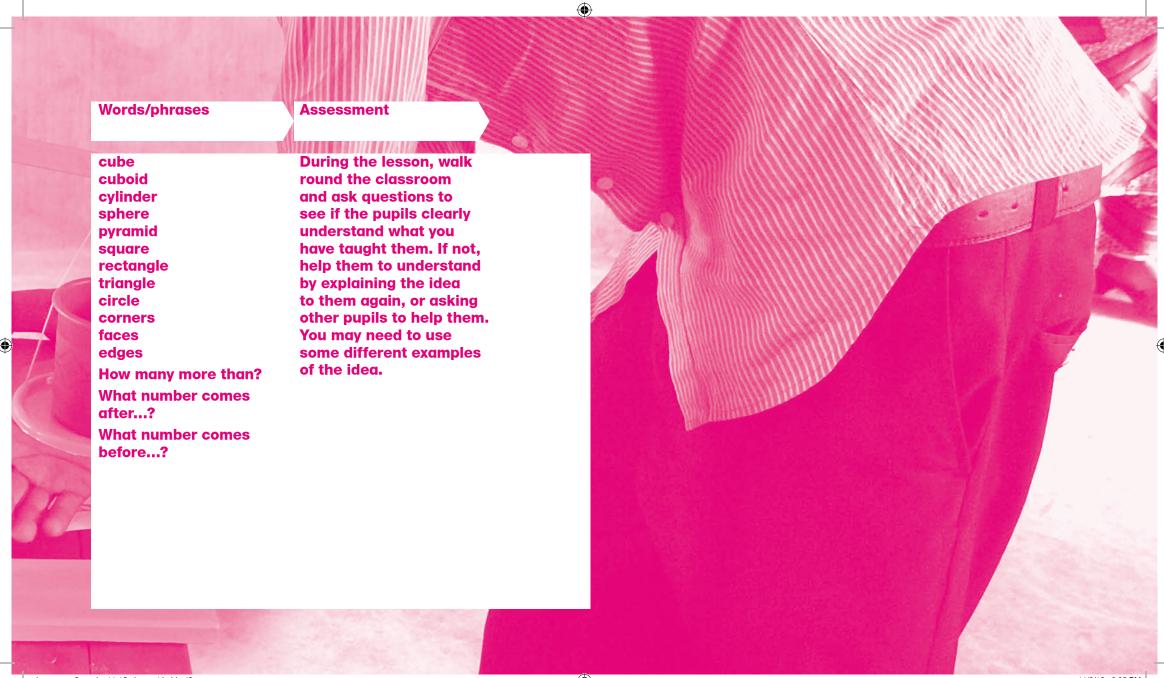
Plenary

Whole class teaching

Play 'What's in the bag'.









Lesson

Numeracy lesson plans **Primary 2**

Term 2

Involving pupils in their learning

Week 14 **How many more** than? Day 1

title

Using a number line

Learning outcomes

By the end of the lesson, most pupils will be able to:

Classify objects according to shape and size.

Explain how to add together twodigit numbers.

Teaching aids

Before the lesson:

Remind yourself how to add two-digit numbers together using a number line.

Daily practice

minutes

Group task

Tell pupils to go around the school grounds and draw as many different shaped objects as they can find.

Ask the pupils to label the different shapes they have drawn.

Tell them to group the shapes so that each object in the group has something the same about them.

Ask the pupils to count the total number of objects in each group and explain how they sorted them.







25 minutes 10 minutes

Introduction

Main activity

Pair task

Ask each pair to draw a 20—30 number line.

Ask the pupils to look at their number line and take it in turns to ask each other questions about numbers from 20—30, eg:

'What number comes after...?'

'What number comes before...?'

Choose a number on the number line and ask the pupils to try and guess your number by asking you questions in the same way.

Group task

Ask the pupils if they can remember how to add 35 and 23 together using a number line.

Ask them:

'Which number do we work with first?'

'What do we do with this number?'

'What do we do with the smallest number?'

'When we have expanded it, what do we do with it?'

Tell the groups to add the following numbers together by drawing a number line, reminding them to start with the largest number:

35 + 2515 + 15

25 + 15

12 + 38

17 + 33

Plenary

Whole class teaching

Ask the pupils if they notice anything about the answers.





Lesson

Numeracy lesson plans **Primary 2**

Term 2 **Involving pupils in** their learning

Week 14 **How many more** than? Day 2

title

Using a number line

Learning outcomes

By the end of the lesson, most pupils will be able to:

Recognise and name 3D shapes.

Use a number line to answer the question 'How many more than?'

Teaching aids

Before the lesson:

Put 10 2D and 3D shapes on to a table and cover them with a cloth.

Draw a number line on the chalkboard from 60—80.

Daily practice

minutes

Whole class teaching

Explain to the pupils that you are going to remove the cloth and they have 30 seconds to remember everything on the table.

Take the cloth away, give the pupils 30 seconds to look at the objects, then put the cloth back so the objects are hidden again.

Ask each pupil to tell the person sitting next to them which objects they can remember.

Uncover the shapes again, then ask the pupils to put up their hands and tell you how many they remembered.

Ask one or two pupils to tell you how they remembered the objects.

Make it fun!





25

minutes

minutes

Introduction

Whole class teaching

Circle a number on the number line on the chalkboard.

Ask each pupil to say any number on the number line that is 'more than' the number you circled.

Ask.

'How many more than?'

Show them how to work out the answer using a number line, eg:

'How many more than 5 is 15?'

First, jump to the nearest 10.

Then jump to 15 and count the number of jumps vou made.

Finally add the two jumps together and answer the question:

$$5 + 5 = 10$$



15 is 10 more than 5.

Pair task

Main activity

Ask the following auestions in turn for the pupils to work on in pairs. How many more than:

- 6 is 19
- 3 is 12
- 9 is 17
- 8 is 18
- 6 is 15
- 1 is 12

Stop after each question and check that pupils are using the correct method.

Plenary

Whole class teaching

Tell the class that you are thinking of a number between 1 and 100.

Tell them to ask you questions to help them guess what that number is, eg: 'Is it less than 50?'





than?

How many more

Numeracy lesson plans Primary 2

Term 2

Involving pupils in their learning

Week 14 How many more than? Day 3

Learning outcomes

By the end of the lesson, most pupils will be able to:

Name cubes, cuboids, cylinders and spheres.

Use a number line to answer the question, 'How many more than?'

Teaching aids

Before the lesson:

Have ready a set of 0—20 number cards for each pair.

Collect a selection of 2D and 3D shapes and put them in a bag on your table.

Daily practice

minutes

Song

Whole class teaching

Sing some number songs.

Play 'What's in the bag?' with a selection of 2D and 3D shapes.

Game







25 minutes

10 minutes

Introduction

Whole class teaching

Ask a pupil to come out, pick a card, read the number and say it aloud to the class without showing it.

Tell the class to write the number in their exercise books.

Ask another pupil to come and pick another number.

Tell the pupils to write it in their exercise books.

Ask pupils to tell you which is the smallest number and which is the biggest number.

Ask them,
'How many more than the smallest number is the biggest number?'

Main activity

Pair task

Give a set of number cards to each pair.

Ask the pupils to use the number cards to repeat the whole class activity.

Ask them to record the method in their exercise books.

Plenary

Whole class teaching

Bring out four pupils to stand in pairs.

Give each pupil in the pair a number card from 0—5 to hold, so that the rest of the class can see them.

Ask the class to add each pair of numbers together without writing them down and say the answer.

Ask them to explain how they did the sum.





Numeracy lesson plans Primary 2

Term 2
Involving pupils in

their learning

Week 14 How many more than? Day 4

How many more than?

Learning outcomes

By the end of the lesson, most pupils will be able to:

Explain the features of cubes, cuboids, cylinders and spheres.

Answer the question, 'How many more than?'

Teaching aids

Before the lesson:

Draw a number line on the chalkboard, from 15—24.

Daily practice

minutes

Whole class teaching

Tell the pupils to stand in a circle and you stand in the middle.

Ask the pupils to walk around in a circle.

Make a simple statement which describes a shape, eg: 'The shape I am thinking about has four corners.'

Ask the pupils to continue walking and put up their hand if they can guess the shape you are describing.

Ask the pupil who guesses correctly to come into the middle to describe a shape for the others to guess.





minutes

Introduction

Whole class teaching

Show the pupils the quick way to answer the question, 'How many more than 15 is 24?'

Using the number line on the chalkboard, start at 15 and jump to the nearest 10.

Jump to the next number and count how many jumps you have made.

Add the number of jumps together: 5 + 4 = 9.

Answer the question: 24 is 9 more than 15.

Main activity

Pair task

Give the pupils the following pairs of numbers and ask them to use the above method to answer the question, 'How many more than?': 25 and 17

24 and 16

13 and 22

15 and 22

18 and 15

19 and 21

Plenary

Pair task

Ask the pupils to compare answers with each other and help each other if they got anything wrong.





Numeracy lesson plans Primary 2

i illiai y z

Term 2

Involving pupils in their learning

Week 14 How many more than? Day 5 e

How many more than?

Learning outcomes

By the end of the lesson, most pupils will be able to:

Identify triangles, rectangles, squares and circles in common shapes.

Use a number line to answer the question, 'How many more than?'

Teaching aids

Before the lesson:

Collect a selection of different shaped objects.

minutes

Daily practice

Whole class teaching

Put the different shaped objects on your table.

Ask one pupil to come out and pick out an object which has a square, rectangle, triangle or circle as one of its faces and ask the rest of the pupils which shape they can see.

Repeat this activity four times, with other pupils.







25 minutes 10 minutes

Introduction

Group task

Give each group a number between 0 and 30 and ask them to make up three questions using that number drawing number lines to which start, 'How many more than?'

Tell them not to work out the they completed the sum. answer at this stage.

Write their questions on the chalkboard.

Main activity

Individual task

Ask the pupils to answer the questions on the chalkboard in their exercise books. help them.

Ask pupils to explain how

Plenary

Pair task

Ask the pupils to say something that they have learned during this week.











Lesson

Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 15 **Fractions** Day 1

title

Halving numbers

Learning outcomes

By the end of the lesson, most pupils will be able to:

Count forwards in twos, fives and Tens using a Hundred square.

Identify one half of different numbers of objects.

Teaching aids

Before the lesson:

Have ready a Hundred square for each pair and collect enough counters for each pair to have 20.

Use the Hundred square at the start of this booklet to look at number patterns.

Daily practice

minutes

Whole class teaching

Ask the pupils to count in twos following the numbers on their Hundred square with their fingers.

Repeat the process to count forwards in Tens, twos and fives.

Ask questions about the numbers, encouraging all the pupils to find the answer on their Hundred square before putting their hands up, eg: 'Which number is 2 more than 6?' 'Which number is 10 more than 40?' 'Which number is 5 more than 20?' 'Which number is 2 less than 56?' 'Which number is 5 less than 95?'





Introduction

Main activity

Whole class teaching

Bring 20 pupils out to the front and count them.

Ask them to divide themselves into two equal groups and count the size of each group.

Explain to them that you have divided the number by half.

Repeat three times with different numbers of pupils, eg: 6, 10, 8.

Ask the pupils to predict the number that will be in each group before you divide them in half.

Pair task

Give each pair 20 counters and ask them to count them.

Ask them to divide the counters into two equal piles and tell you how many are in each pile.

Explain to them that they have divided one pile of counters in half, which can be written as

$$\frac{1}{2}$$
 of 20 = 10

ie: they have divided one pile of 20 counters into two equal piles of 10.

Give the class the following to do in pairs, using the counters:

$$\frac{1}{2}$$
 of 4 =

$$\frac{1}{2}$$
 of 6 =

Ask one or two pairs to explain how they worked

out their answer.

Give them the following to complete in their exercise books:

$$\frac{1}{2}$$
 of 8 =

$$\frac{1}{2}$$
 of 10 =

$$\frac{1}{2}$$
 of 12 =

$$\frac{1}{2}$$
 of 14 =

$$\frac{1}{2}$$
 of 16 =

Plenary

Whole class teaching

Ask the pupils if they notice any pattern in their answers, ie: the numbers should get larger in ones.





Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 15 Fractions Day 2

Halving objects

Learning outcomes

By the end of the lesson, most pupils will be able to:

Use a Hundred square to count in twos and fives from different starting points.

Identify half of a shape and label it.

Write the term 1/2

Teaching aids

Before the lesson:

Find one orange and something to cut it with.

Find some bananas, enough for one between six pupils.

Cut squares of paper out of newspaper.

Have ready a Hundred square for each pair and collect some counters.

minutes

Daily practice

Whole class teaching

Ask the pupils to count in twos following the numbers on their Hundred square with their fingers.

Ask them to count in twos starting from the number 1 and in fives starting from the number 3.

Tell the pupils to count backwards aloud in Tens, twos and fives, starting from 100.

Ask them if they can notice anything about the way the numbers are arranged on the Hundred square.

Tell them to look, horizontally (across), vertically (down) and diagonally.





minutes

Introduction

Whole class teaching

Cut an orange into two equal parts.

Ask pupils to compare the size of each part and tell you Explain that each of these what the difference is (the pieces are the same size).

Explain to them that you have cut one whole orange into two equal parts and each part is one half of the orange.

Pair task

Ask the pupils to fold a piece of square paper into two equal parts.

parts is one half.

Ask them to write 'one half' in words on each part.

Explain that one half is written as 1

- 1 one whole
- divided into
- 2 two equal parts

Main activity

Individual task

Give out a banana to each group of pupils.

Tell them to cut it into two equal parts and then draw it in their exercise books. labelling each part 1

Ask the pupils to draw a circle and divide it into two eaual parts.

Tell them to colour half of the circle, then draw and label both sides, ea:



Draw a square and a

rectangle on the chalkboard.

Ask the pupils to copy the shapes into their exercise books.

Tell them to colour half of each shape, then draw and label both sides as before.

Plenary

Pair task

Ask the pupils to share their work with each other and check that they have labelled the parts correctly.





Numeracy lesson plans

Primary 2

Term 2

Involving pupils in their learning

Week 15 Fractions Day 3 tle

Quarters

Learning outcomes

By the end of the lesson, most pupils will be able to:

Find patterns of numbers in a Hundred square.

Identify a quarter of a shape.

Teaching aids

Before the lesson:

Draw a Hundred square on the chalkboard.

Collect enough round plates for each group to have one to draw around to make circles.

Find newspaper for each group to make squares and circles with.

Daily practice

minutes

Whole class teaching

Ask the pupils to look at their Hundred squares.

Tell them to count in Tens, putting counters on the numbers as they go.

Ask one pupil to come out and colour those numbers on the Hundred square on the chalkboard.

Repeat this (without removing the counters they used for counting in Tens), but this time counting in fives. Ask the pupils if they can see where there are two counters on one square.

Ask if anyone can explain this.



11/8/16 6:05 PM



25 minutes

10 minutes

Introduction

Main activity

Whole class teaching

Ask the pupils to fold a piece of square paper into four equal parts.

Explain that each of these parts is called a quarter.

Ask them to write 'one quarter' in words on each part of the paper.

Explain that one quarter is written as 1

- 1 one whole
- divided into
- 4 four equal parts

Group task

Give each group a round plate and ask them to draw around it to make a circle, then divide it into four equal parts.

Ask them to colour one quarter of the circle they have drawn, eg:



Individual task

Draw a circle, square and rectangle on the chalkboard.

Ask the pupils to copy the shapes into their exercise books.

Tell them to colour one quarter of each shape and label the fraction.

Plenary

Pair task

Ask the pupils to show each other the shapes they have coloured and check that they have each coloured one quarter.





Numeracy lesson plans Primary 2

Term 2
Involving pupils in their learning

Week 15 Fractions Day 4

Finding quarters of a group of objects

Learning outcomes

By the end of the lesson, most pupils will be able to:

Use a Hundred square to count in fours.

Identify a quarter of a shape.

Teaching aids

Before the lesson:

Have ready a Hundred square for each pair and collect counters or stones for the whole class.

Find newspaper to make circles and squares.

Have ready a round plate for each group to draw around to make a circle.

minutes

Daily practice

Whole class teaching

Ask the pupils to look at their Hundred squares.

Tell them to count in fours, up to 100, putting a counter on each number as they say it and leaving the counters in place.

Tell them to repeat the activity, this time counting in twos.

Ask them if there are any numbers where they have two counters on one number.

Ask if anyone can explain this.





Introduction

Main activity

Group task

Give each group a piece of newspaper and a round plate.

Tell them to draw around the plate to make a circle.

Ask them to divide the circle into four equal parts and label each part 1/4

Group task

Give each group 20 counters and ask them to make four equal piles of counters, putting one pile in each part of the circle.

Ask:

'How many counters are in each quarter of the circle?'
'How many counters are in one quarter of the circle?'
'How many counters are in two quarters of the circle?'
'How many counters are in three quarters of the circle?'

Explain to them that they have divided one pile of 20 counters into quarters (four equal piles of five), which can be written as

$$\frac{1}{4}$$
 of 20 = 5

Ask each group to do the following in the same way:

$$\frac{1}{4}$$
 of 4 =

$$\frac{1}{4}$$
 of 8 =

$$\frac{1}{4}$$
 of 12 =

$$\frac{1}{4}$$
 of 16 =

Tell them to record their answers by putting counters on the Hundred square.

Ask if they notice anything about the numbers they have written.

Ask if they can finish the pattern up to 100.

Ask if they notice anything about the pattern.

Plenary

Whole class teaching

Ask each group to explain their understanding of finding quarters.





Numeracy lesson plans

Primary 2

Term 2
Involving pupils in

their learning

Week 15 Fractions Day 5

Finding three-quarters

Learning outcomes

By the end of the lesson, most pupils will be able to:

Recognise the relationship between numbers on a number square.

Identify three-quarters of a shape.

Teaching aids

Before the lesson:

Collect 28 counters for each pair.

Find newspaper and round plates for each pair to make circles.

Daily practice

minutes

Whole class teaching

Tell the pupils to look closely at their Hundred square and tell you everything they know about the pattern of the numbers.

Record their answers on the chalkboard.

Tell them to choose a number to start from, between 1 and 10, and count in twos, Tens, fives and fours from that number, putting counters on the numbers as they go.

Ask if any of the numbers have more than one counter on them.

Ask if any pupils can explain this.



Introduction

Pair task

Give each pair a piece of newspaper and a plate to draw around.

Ask them to divide the circle into four equal parts and label each part 1

Give each pair 28 counters and ask them to make four equal piles of counters and put them in each section of the circle.

Ask:

'How many counters are in each quarter of the circle?'

'How many counters are in one quarter of the circle?'

'How many counters are in two quarters of the circle?'

'How many counters are in three quarters of the circle?'

Ask them to repeat the activity and answer the same questions with the following numbers of counters: 12, 16, 8, 20, 4.

Main activity

Pair task

Ask each pair to fold their paper in half and tell you how many quarters there are in each half.

Ask each pair to draw a square in their exercise books, divide it into four equal parts and label each section 1

Ask them to shade one half of the shape and label it

Ask them to shade threeauarters of the shape and label it 3

Ask if anyone can explain why we write it as 3 (because three out of four sections have been shaded).

Draw a circle, square and rectangle on the chalkboard.

Ask the pupils to copy the shapes into their exercise books and colour 1, 1 and 3 of each one.

Plenary

Whole class teaching

they are correct.

Ask the pupils to tell you everything they know about 1 and 1 and record their ideas on the chalkboard, making sure





In 2008, Kwara State carried out a Teachers' Development Needs Assessment for all primary school teachers. This showed that most teachers in Kwara State did not have strong literacy and numeracy skills. The Kwara State Government responded by developing a strategy to support existing teachers and improve new teachers' pre-service training.

These literacy and numeracy lesson plans, developed by the Kwara State School Improvement Team, were part of that strategy. Two years after introducing these plans alongside the training and support programme, Kwara State began to see strong improvements in teachers' teaching skills and pupils' learning outcomes.

Special thanks go to:

The Honourable Commissioner and staff of the Kwara State Ministry of Education and Human Capital Development, as well as the Kwara State Universal Basic Education Board for their support and valuable input and for agreeing to share these plans with other states.

The UK's Department for International Development (DFID) and the DFID-funded ESSPIN programme for their input, focus, guidance and constructive criticism throughout the development of the plans.

Thanks also go to the teachers of Kwara State who have used these plans to bring about change in their classrooms.

