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GREENHILL ACADEMY

TERM TWO 2016

MATHS LESSON NOTES

PRIMARY TWO.

Theme: **Our environment**

Sub-Theme: Common animals

WEEK I PERIOD 1

Counting from 501-600

Writing number words.

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WEEK 2 PERIOD 1 & 2

Counting and filling in numbers from 601- 700.

Writing number words.

PERIOD 3 & 4

counting from 701- 800.

Writing number words.

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PERIOD 5 & 6

counting from 801- 1000.

Writing number words.

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WEEK 3 PD 1

Complete the gaps (find the missing number or fill in the missing numbers)

e.g

(a) 601, 602, 603, ____, ____, 606, 607, 608

(b) 705, 710, -----720-----,730,-------,740.

(c) ____, 802,____, 804,

(d) 500,___, 700, ____, 900, 1000.

e) 912 , 913 -------- ,------- ,---------

f) 834, ……. …….. 837, …….. ……..

g) 920 . …… …….. …….. 924 ……..

h) 900 …… …….. ……. 600 ……

I) 756 , 757 ……. …… ……. 800

PD 2&3

Write number words in figures

e.g.

(a) seven hundred twenty = 700 + 20

= 720

(b) Six hundred sixty five = 600 + 60 + 5

= 665

(Use the knowledge of expanded form)

Activity

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(a) Eight hundred thirty two =

(b) Nine hundred eighteen =

(c) One thousand five hundred forty eight =

(d) One thousand three hundred twenty nine =

(e) Five hundred twenty eight =

(f) Nine hundred sixty =

h) Seven hundred forty six =

I) Six hundred seventy nine =

J) Nine hundred fifty two =

K) Eight hundred seventy four =

References:

Primary mathematics for Uganda bk 2 page 52.

Fountain MTC bk 2.

PD 4&5

Place values and values of numbers.

Review

Children will tie bundles of ones, tens ,and hundreds .

Children will work out place values up to Thousands.

Example 1

TH	H	T	O
2	3	5	6

Example 2

TH	H	T	O
6	2	8	3

Activity

Write the place values of these numbers

(a) 2 in 3246

e) 4 in 4729

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(b) 4 in 6574.

(c) 7 in 7654.

(d) 3 in 8430.

F) 6 in 6284

G) 9 in 9132

Activity 2

Write the values of these numbers.

(a) 7 in 3547.

(b) 4 in 2543.

(c) 6 in 5609.

(d) 2 in 2435.

PD 6

Forming numbers from three digits.

Example

325 = 253,523,235,352,532.

Activity

(a) 234

(b) 133

(c) 412

(d) 617

(e) 798

f) 576

g) 843

h) 937

I) 654

WEEK 3 PD 1&2

Review of addition without re grouping.

	H	T	O
	2	5	4
+	1	3	2

(b)

	H	T	O
	3	4	1
+	5	2	6

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_____ _____

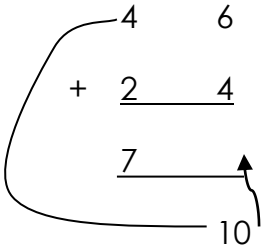
_____ _____

Addition of numbers with re-grouping

Example

Addition of 2 digit numbers with re-grouping.

1. T O



Add ones first

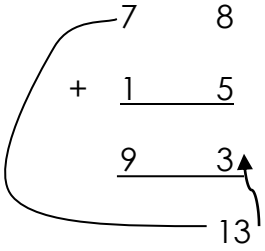
6 + 4 = 10

10 = 1 ten o ones

0 remains in ones and 1 goes to the side of tens.

4 + 2 + 1 = 7 tens

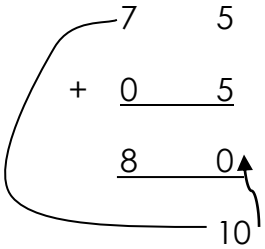
2. T O



8 + 5 = 13

13 = 1 ten 3 ones

3. T O



5 + 5 = 10

10 = 1 ten o ones

goes to tens

7 + 0 + 1 = 8 tens

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Activity 1

(a)	T	O	(b)	T	O	(c)	T	O	(d)	T	O
	3	8		6	9		2	4		1	9
	+ 3	8		+ 1	4		+ 3	8		+ 7	1
	_____			_____			_____			_____	
	_____			_____			_____			_____	

Activity 2

Add correctly

(a) 88 +12 =

T 0

8 8

\+ 1 2

_____

_____

(b) 47+14 =

(c) 67 + 25=

(c) 72 +28 =

(d 58+33 =

Refer to MK BK 3 PG 42 FOR MORE NUMBERS.

PD 3 & 4

Example

1. Musa had 34 books. Dan added 37 more books. How many books does she have altogether?

3 4 + 3 7 =

	T	O	
	3	4	(Re-arrange)
+	3	7	4+7=11
	7	1	11=1 ten 1ones
	_____		3+3+1=7

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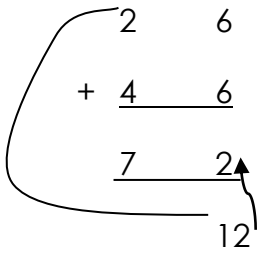
11

Musa has 71 books altogether.

2. Jane has 26 cows and 46 goats. How many animals does she have altogether?

2 6 + 4 6 = T O



	T	O	
	2	6	
+	4	6	6 + 6 = 12
	7	2	12 = 1 ten 2 ones
	12		2 + 4 + 1 = 7

Jane has 72 animals altogether.

Activity

(a) Peter has 67 eggs, his friend has 14 eggs. How many eggs do they have altogether**?**

(b) Kairu has 73 sweets, Betty has 39 sweets. Find the sum of their sweets.

(c) Daniel has 94 balls, his brother gave him more 18 balls. How many balls does he have now?

(d) Find the total of 69 and 15 chairs.

More work in MK BK 3 PG 41

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References:

Mk Primary maths book 3 page .. 41, 42

Primary school mtc bk 2 pg 38 – 39.

Activity 1

Review subtraction of two digit numbers without re- grouping.

(a)

	T	O
	6	9
-	4	4

(b)

	T	O
	8	4
_	6	1

Subtraction of numbers with re grouping

Example,

(a)

	T	O
	5	3
-	2	6

(b)

	T	0
	6	3
_	2	4

Activity 1

(a)

	T	O
	3	8
-	1	9

(b)

	T	O
	7	1
-	3	4

(c)

	T	O
	4	4
_		9

(d)

	T	O
	8	6
_		7

Activity 2

(a) 67- 19 = (b) 33 – 19 = (c) 45 – 17 =

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	T	o
	6	7
-	1	9

(d) 84 – 7 =

(e) 70 – 3 =

PD 5 & 6

Subtraction of two digit numbers with re—grouping in word problems.

(a)A class has 40 children .12 of them are absent. How many are present?

b) Teacher had 68 pencils, he gave away 19 pencils to Kato .How many pencils did he remain with**?**

c) What is 46 minus 27**?**

(d) Subtract 23 from 41**?**

E) If Mary has 84 oranges and her brother Tom has 27 oranges . How many oranges does Mary have more than Tom?

g) Amos had 32 hens, 19 of them died. How many hens did he remain with?

FIND MORE NUMBERS IN MK BK 3 PG 49

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WEEK 4 PD 1 & 2

Multiplication of numbers with re-grouping.

Example.

(a) 1 5 (b) 2 4 4 X 4 = 16

X 3 x 4 4 X 2 = 8 +1 = 9

_____ _____

_____ ___9__6__

Activity 1

(a) 2 2 (b) 1 4 (c) 2 3 (d) 3 4

X 6 x 7 x 6 x 3

_____ _____ _____ _____

_____ _____ _____ _____

Activity 2

(a) 13 x 4 (b) 14 x 5 = (c) 12 x 7 =

1 3

X 4 (d) 23 x4 = (e) 13 x 5=

_____

5 2

_____

PD 3 & 4

Word problems involving multiplication of numbers with re –grouping.

(a) If there are 13 pencils in tin . How many pencils are there in 4tins.

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(b) There are 3 legs on a stool. How many legs are there on 15 stools**?**

(c) Each boy has 3 cows .How many cows do 17 boys have**?**

(d) There are 5 fish in each basket. How many fish are there in 12 bas

FIND MORE NUMBERS IN MK BK 3 PG 58

PD 5 & 6

Dividing two digit numbers by one number.

(a) 22 ÷2= (b) 18÷ 3= (c) 12÷ 4=

(d) 30÷ 5= (e) 30 ÷ 6= (f) 42÷7=

(g) 80÷10=

FIND MORE NUMBERS INMK BK 2 PG 78 - 80

WEEK 5 PD 1 & 2

Diving two digit numbers by one number using a division sign.

(a) $3\overline{)36}$ 12

(a) 2 14 (b) 3 18 (c) 4 20 (d) 6 18

(e) 7 21 (f) 5 65 G) 4 56

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FIND MORE NUMBERS IN PRIMARY SCHOOL MATHS BK 3 35 - 36

PD 3 & 4

Word problems involving division of two digit numbers by one number.

(a) Divide 14 by 2.

(b) Share 21 oranges among 3 girls.

(c) Mummy shared 18 cakes among 6 boys .How many cakes did each boy get**?**

(d) Teacher Ben shared 48 eggs equally between Jane and Mary.How many eggs did each one get?

(e) 36 bananas are shared equally among 3 children. How many bananas will each one get**?**

(f) If 21 pencils are shared among 7 pupils, how many pencils will each pupil get**?**

FIND MORE NUMBERS IN MK BK 2 PG 83

Pd 5

Fractions

A fraction is a part of a whole.

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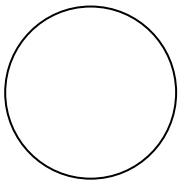
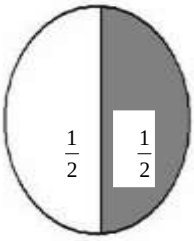
Naming and writing fractions.

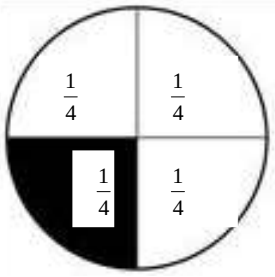
Examples



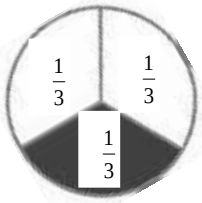
A whole



a half



a quarter



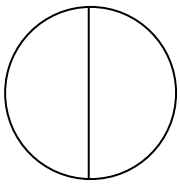
a third

PD 6

Cutting and folding fractions (practical work)

Children under the guidance of the teacher will fold paper to form different fractions.
They will name the fractions formed after folding.
Cutting paper, fruits into fractions and naming them. E.g

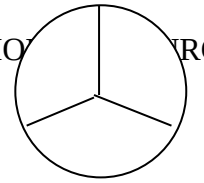
a)



a half

b)

c)



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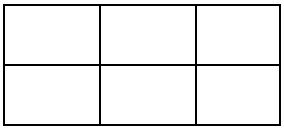
d)

e)



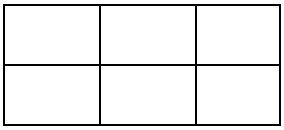
Reference

Mk Primary mtc bk 2 PG 89 – 97

WEEK 6 PD 1 & 2

Drawing and naming the following fractions.

E,g



a) $\frac{1}{6}$ c) $\frac{1}{8}$ e) $\frac{1}{9}$

b) $\frac{1}{2}$ d) $\frac{1}{4}$

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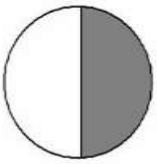
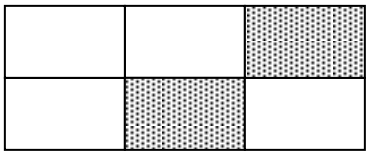
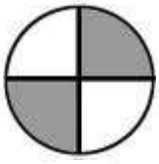
f) $\frac{3}{5}$ g) $\frac{2}{6}$ h) $\frac{4}{8}$

PD 3 & 4

Shading fractions and naming shaded and un shaded fractions(change shape)

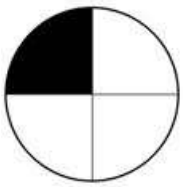
a) shade $\frac{1}{2}$  shaded part is $\frac{1}{2}$

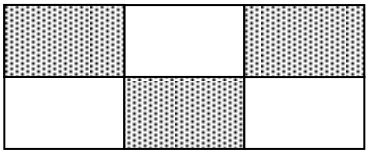
b) shade $\frac{2}{6}$  shaded fraction is $\frac{2}{6}$

c) 

page 93 – 94 mk primary mtc bk 2

unshaded fractions

a)  Unshaded fraction = $\frac{3}{4}$

b) 

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PD 5 & 6

Reading fractions and writing them in words under the guidance of the teacher.

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$\frac{1}{3}$ a third

$\frac{1}{4}$ a quarter

$\frac{1}{5}$ a fifth

$\frac{1}{8}$ an eighth

$\frac{1}{10}$ a tenth

Activity

Writing fractions in words

e.g

$\frac{1}{2}$ $\frac{1}{7}$

$\frac{1}{3}$ $\frac{1}{4}$

$\frac{1}{6}$

References

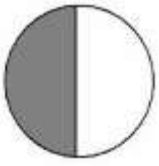
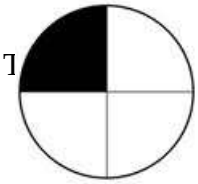
Mk Primary math's bk 2 89 – 90

Mk Primary mtc bk 3 pg 94 – 05

WEEK 6 PD 1 & 2

Comparing fractions(practical work)

Cut and compare the shaded parts.

GET M  JRCES LIKE T  OLEBOOKS.COM

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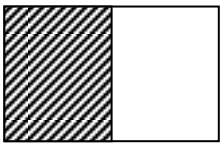
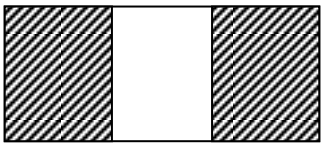
1.

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

Which fraction is bigger a $\frac{1}{2}$ or $\frac{1}{4}$?

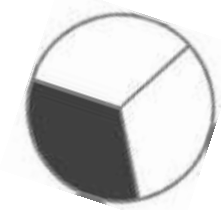
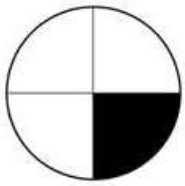
1 is bigger than $\frac{1}{4}$.

2

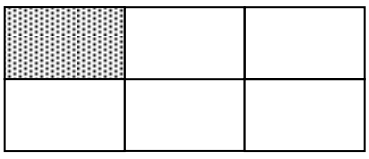
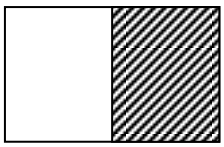
2.  

$\frac{1}{2}$ is bigger than $\frac{1}{3}$

Which fraction is smaller?

1.  $\frac{1}{3}$  $\frac{1}{4}$

$\frac{1}{4}$ is smaller than $\frac{1}{3}$

2. a)  $\frac{1}{6}$  $\frac{1}{2}$

Activity

Pupils will do exercise 13 on page 96 of mk primary mtc bk 2

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MORE WORK IN MK BK3 PG 100

Reference:

Mk Primary mathematics bk 3 pg 99-100

Mk Primary mathematics bk 2 pg 96.

E.A.E.P Primary mathematics bk 2 pg 70 – 72.

Understanding maths bk 3

PD 3 & 4

Denominators _ numbers down.

Numerators – the numbers on top.

Arranging fractions in order

Ascending order (from the smallest to the biggest)

e.g

a) $\frac{1}{3}, \frac{1}{4}, \frac{1}{2}$

$= \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

b) $\frac{1}{3}, \frac{1}{5}, \frac{1}{6}.$

$= \frac{1}{6}, \frac{1}{5}, \frac{1}{3}$

Activity

FIND WORK IN UNDERSTANDING MATHS BK 2 PG

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PD 5 & 6

Descending order

Arranging from the biggest to the smallest.

1) $\frac{1}{2}, \frac{1}{4}, \frac{1}{3}$

$= \frac{1}{2}, \frac{1}{3}, \frac{1}{4}$

2) $\frac{1}{5}, \frac{1}{6}, \frac{1}{10}, \frac{1}{7}$

$= \frac{1}{5}, \frac{1}{6}, \frac{1}{7}, \frac{1}{10}$

Note: The bigger the denominator the smaller the fraction.

Reference:

FIND WORK IN UNDERSTADING MATHS BK 2 PG

WEEK 7 PD 1 & 2

Addition of fractions with the same denominators.

a) $\frac{1}{4} + \frac{2}{4} = \frac{2+1}{4} = \frac{3}{4}$

b) $\frac{2}{6} + \frac{1}{6} = \frac{2+1}{6} = \frac{3}{6}$

c) $\frac{7}{15} + \frac{4}{15} = \frac{7+4}{15} = \frac{11}{15}$

e) $\frac{1}{8} + \frac{1}{10} = \frac{1+8}{10} = \frac{9}{10}$

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FIND MORE NUMBERS IN MK BK 3 PG 101 - 103

FIND MORE NUMBERS IN PRIMARY SCHOOL MATHS BK3 100 -104

PD 3 & 4

Word problems

1. What is the sum of $\frac{7}{10}$ and $\frac{1}{10}$?

$= \frac{7}{10} + \frac{1}{10} = \frac{7+1}{10} = \frac{8}{10}$

2. A pupil read $\frac{1}{8}$ of the book on Tuesday and $\frac{2}{8}$ of it on Wednesday.

What fraction did the pupil read altogether?

$\frac{1}{8} + \frac{2}{8} = \frac{1+2}{8} = \frac{3}{8}$

The pupil read $\frac{3}{8}$.

FIND MORE NUMBERS IN MK BK 3 PG 104

PD 5 & 6

Subtraction of fractions with the same denominator.

Example

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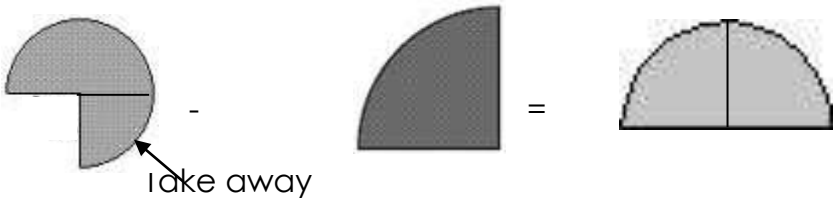
1. $\frac{5}{6} - \frac{1}{6} = \frac{5-1}{6} = \frac{4}{6}$

2. $\frac{3}{4} - \frac{1}{4} = \frac{3-1}{4} = \frac{2}{4}$



3. $\frac{2}{2} - \frac{1}{2} = \frac{2-1}{2} = \frac{1}{2}$

$\frac{1}{2}$

FIND THE EXERCISE IN MK BK 3 PG 107

MORE WORK IN PRIMARY SCHOOL MATHSBK PG 104

WEEK 8 PD 1 & 2

Word problems

1. $\frac{4}{8}$ take away $\frac{2}{8}$ equals $\frac{2}{8}$

2. A bowl was $\frac{3}{4}$ full of sugar. I used $\frac{2}{4}$ of it. What fraction was left?

$\frac{3}{4} - \frac{2}{4} = \frac{3-2}{4} = \frac{1}{4}$ remained

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2. A garden has eight equal parts. Three parts out of eight are planted with beans. What fraction of the garden remained?

$\frac{8}{8} - \frac{3}{8} = \frac{5}{8}$ remained

FIND MORE NUMBERS IN MK BK 3 PG 108

PD 3 & 4

Addition of fractions to make whole numbers.

Example $\frac{1}{2} + \frac{1}{2} = \frac{1+1}{2} = \frac{2}{2} = 1$

When the numerator is the same as the denominator the answer is 1.

(a) 1/5+1/5+1/5+1/5+1/5=5/5=1

Activity

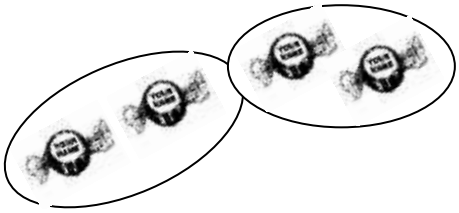
Pupils will do exercise 13 on page 96 of mk primary mtc bk 2

FIND MORE NUMBER S IN MK BK 3 PG 101

PD 5 & 6

Fractions of the whole numbers

1. What is $\frac{1}{2}$ of 4 sweets?



= 2 sweets put 4 sweets in two groups.

2. What is o $\frac{1}{3}$ f 9 balls?

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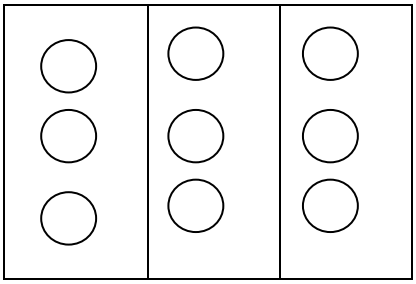

Put 9 in three groups. Each group has 3 balls.

3. What is 1/ 4 of 12 bananas?
4. What is 1 / 5 of 15 shirts?
5. Work out 1 / 3 of 18 girls.
6. 1 / 6 of 24 children came to school yesterday. How many children came to school

Reference:

Heinemann Primary mtcs bk 3 pg 47.

Primary school mtc bk 2

Kenya Primary mtc standard 2 tr's book pg 117- 118

Mk Primary mtc bk 2 pgs 89 – 97

WEEK 9 PD 1 & 2

Algebra

Identifying missing numbers in a mathematical statement in addition.

Examples

1. ☐ + 2 = 7

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Subtract 2 from 7

= 7 – 2

= 5

: $\boxed{5}$ + 2 = 7

2. $\boxed{}$ + 3 = 10

= 10 – 3

= 7

: $\boxed{7}$ + 3 = 10

3. 6 + $\boxed{}$ = 10

Subtract 6 from 10.

= 10 – 6

= 4

Or

6 + $\boxed{}$ = 10

IIIIII + $\boxed{\text{IIII}}$ = 10

4

FIND THE EXERCISE IN MK BK 2 PG 98 – 99.

Reference:

Mk Primary Mathematics bk 2 pages 98 – 99.

Mk Primary Mathematics bk 3 pages 192 –

PD 3 & 4

Word problems involving Algebra.

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Example

(a)I think of a number, when I add 2 to the number, my answer is 12.What is the number?

☐ +2 =12

Subtract 2 from 12

12 - 2 = 10

Activity

1.Tom has a number, When he adds 5 to it , the answer he gets is 15. What is the number?

2 Hellen had a number. When she added 6 to it she got 18. What was the number?

3 Musa was given a number. When he added 7 to it he got 15. What was the number?

4 Joseph had 7 in his head. When he adds a number to it, he gets ten, What is the number?

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5 Ciara had a number of pencils in her bag. when she added 9 pencils she got 20 pencils. How many pencils were in her bag?

6 Think of a number. Add 10 to it , the answer you get is 26 . What is the number?

PD 5 & 6

Graphs

Interpretation of graphs.

Handling of data.

Interpretation of picto- graphs

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Activity

1. How many children are on the graph?

   _____

2. Who has three balls?

   _____

3. How many balls does Joan have?

   _____

4. What is the total of Tina and Susan's balls?

5 What is Doe's balls minus Mike's balls?

6 . How many more balls does Joan have than Peter?

7 . Who has the highest number of balls?

_____

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GREENHILL ACAMEY

P2 TERM TWO MATHS NOTES

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