

NAME: _____

GRADE: _____

MATHS WORKSHEETS

FIRST TERM

2010

GRADE 4 MATHS SYLLABUS - FIRST TERM

SYLLABUS	INSTAMATHS	WKBOOK 1-15
Basic Addition and Subtraction	1; 3; 5; 6; 10; 16; 17;	3
Number Sequences	15; 58	4
Place value and Value(Th, H, T, U)	11	5
Expanded notation	12	6; 7
Writing Numbers	2; 4; 9	8
Multiples	59	9
Factors, Prime, Square; Even; Odd; =, <, >		10
Rounding off		11
Addition		12
Subtraction		13
Problem Solving using Addition/Subtraction	8	13
Money	50; 51; 54; 55; 56; 57;	14
Making and breaking up hundreds	7	
Making 1 000	13	
Making 1 000's	14	

TABLES 4 booklet : Pg 15 - 65

COMPUTER ROOM: MATHS NUMERACY BANK: GRADE 4 and 5

Place Value, Ordering and Rounding: 1 - 59

Counting, Properties of Numbers and Number Sequences: 60 - 94

COMPUTER ROOM: MATHLETICS: Numbers and Patterns: Column Addition; Column Subtraction; Problems: Add and Subtract; Missing Values

Term 2: Numbers and Patterns: Best Buy 1; Budgeting 1;

Term 4: Numbers and Patterns; Shading equivalent fractions; What fraction is shaded?

HOW TO GET ONTO THE BISHOPS HOMEPAGE TO REPRINT THESE SHEETS

Click "Bishops Prep Website"

Go to "links"

Go to Grade 4 Home page

Go to Homework

There you will find Maths syllabus Term 1



1. BASIC ADDITION and SUBTRACTION



Basic addition	Instamaths 1	Total 20	Your mark:
Basic subtraction	Instamaths 3	Total 20	Your mark:
Addition/subtraction (1)	Instamaths 5	Total 20	Your mark
Addition/subtraction (2)	Instamaths 6	Total 20	Your mark:
Working with big numbers	Instamaths 10	Total 20	Your mark:
Adding a 2-digit number	Instamaths 16	Total 20	Your mark:
Addition in words	Instamaths 17	Total 10	Your mark:

Doubles Jump

0	20	14	6
8	2	16	9
10	18	12	4



2. NUMBER SEQUENCE

Count around 1000	Instamaths 15	Total 20	Your mark:
Skip Counting	Instamaths 58	Total 20	Your mark:

When working out a number sequence you must work out the difference between the numbers. In the following example the pattern is going up in ones – so therefore you have to add 1 to 47 which gives you 48. You then add on 1 to 48 and you get 49. Fill in the answers. (You may have to add, subtract or multiply!)

45	46	47	?	?	50
----	----	----	---	---	----

Fill in the missing numbers:

23	26	29		35	
33	32	31	30		
18	14	10			-2
6	12	18		30	
5	10	20		80	

Look at the patterns below and fill in the missing gaps. The first one is done for you.

100	200	300	400	500	600
50	150	250			
193	293	393			
100	90	80			
925	825	725			



3. PLACE VALUE AND VALUE

PLACE VALUE

Place Value	Instamaths 11	Total 20	Your mark:
-------------	---------------	----------	------------

PLACE VALUE is the idea that a figure has a different value when used in different places.

In the number 7 853

The place value of the 7 = 7 Thousands

8 = 8 Hundreds

5 = 5 Tens

3 = 3 Units

What is the place value of the underlined digits? (Thousands, hundreds, tens, units)

a) 330 _____ b) 3 621 _____ c) d) 5 340 _____

d) 4 489 _____ e) 8 529 _____

.....
VALUE

VALUE is the actual number represented.

In the number 7 853

The value of the 7 = 7 000

8 = 800

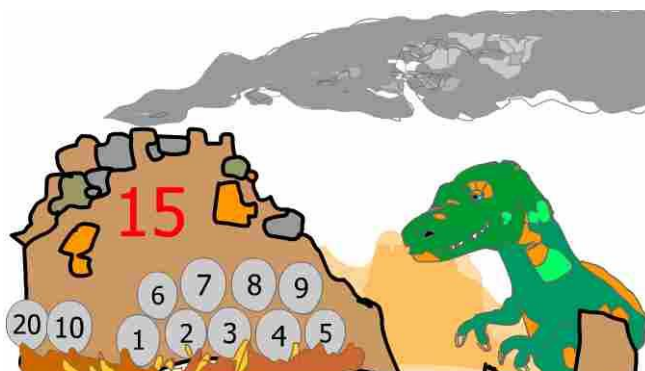
5 = 50

3 = 3

What is the value of the underlined digit? (8; 20; 300 etc)

a) 330 _____ b) 3 621 _____ c) 5 340 _____

d) 4 489 _____ e) 8 529 _____



4. EXPANDED NOTATION : 1

Expanded notation	Instamaths 12	Total 10	Your mark:
-------------------	---------------	----------	------------

7 853 written in expanded notation is: $7\ 000 + 800 + 50 + 3$

1. Write the following in expanded notation:

a) $1\ 582 =$ _____

b) $6\ 300 =$ _____

c) $5\ 024 =$ _____

d) $7\ 801 =$ _____

e) $4\ 008 =$ _____

2. Write the answers:

a) $4\ 000 + 500 + 60 + 7 =$ _____

b) $9\ 000 + 60 + 3 =$ _____

c) $2\ 000 + 800 + 3 =$ _____

d) $7\ 000 + 6 =$ _____

e) $800 + 40 + 3\ 000 + 2 =$ _____ (Rearrange numbers from biggest to smallest)

3. Write these numbers in digits:

a) One hundred and fifty _____

b) Four hundred and five _____

c) Seven hundred and nineteen _____

d) Eight hundred and fifty seven _____

e) Two thousand five hundred and two _____

EXPANDED NOTATION: 2

4. Complete the table, the first one is done for you.

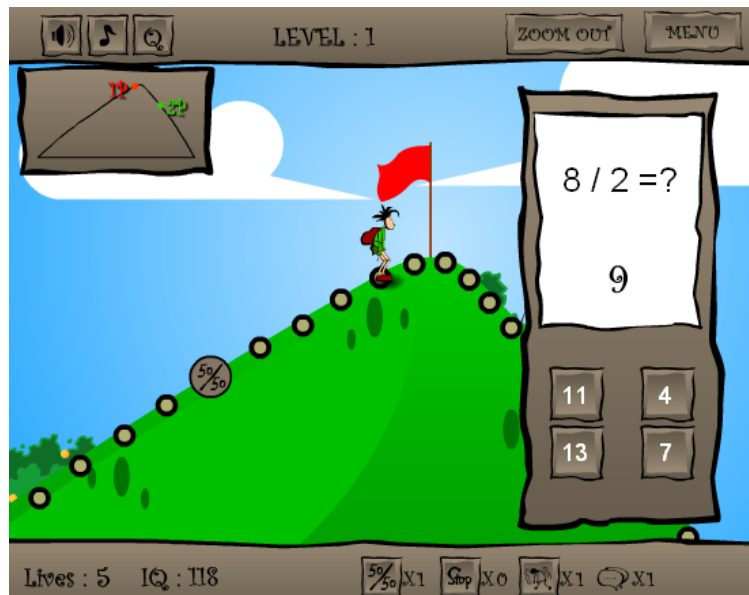
	Hundreds	Tens	Units
386	3	8	6
526			
98			
360			
407			

5. Fill in the missing numbers. The first one is done for you.

472 =	400	+	70	+	2
386 =	300	+		+	6
526 =	500	+	20	+	
98 =	0	+		+	8

Underline the biggest number. The first one has been done for you.

- a) 100 250 48
- b) 626 386 360
- c) 123 120 124
- d) 999 45 874



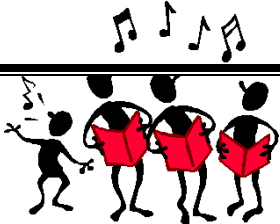
5. WRITING NUMBERS

Addition in words	Instamaths 2	Total 10	Your mark:
Subtraction in words	Instamaths 4	Total 10	Your mark:
Writing big numbers	Instamaths 9	Total 10	Your mark:

Write the numbers using digits, the first one is done for you.

Using words	Using digits
Eight hundred and twenty-four	824
Three hundred and sixty-five	
Eighty-nine	
Two hundred and forty three	
Nine hundred and two	

Using digits	Using words
824	Eight hundred and twenty-four
256	
358	
15	
803	
111	



6. MULTIPLES

3; 6; 9; 12; 15; 18 are multiples of 3. They can all be divided exactly by 3.

4; 8; 12; 16; 20; 24 are multiples of 4. They can all be divided exactly by 4.

Counting in 2's

0	2	4			
---	---	---	--	--	--

Which of these numbers are multiples of 2? Circle them.

6	11	4	10	5	8
3	7	1	2	9	12

MULTIPLES OF 2, 5, 10

Put a ring around the numbers which are multiples of 2					
115	5	2	16	4	8
Put a ring around the numbers which are multiples of 5					
10	12	23	5	8	16
Put a ring around the numbers which are multiples of 10					
12	19	100	11	4	30
Put a ring around the numbers which are multiples of 2					
5	8	22	31	60	53
Put a ring around the numbers which are multiples of 5					
12	15	20	54	85	70
Put a ring around the numbers which are multiples of 10					
14	40	16	70	100	22

INSTAMATHS

Multiples	Instamaths 59	Total	Your mark:
-----------	---------------	-------	------------

7. FACTORS

Factors are the opposite of multiples. They are those numbers that will divide exactly into other numbers. Factors are the numbers which divide into a number.

The factors of 12 are: 1, 2, 3, 4, 6 and 12.

These can be shown as pairs of factors: 1×12 ; 2×6 ; 3×4 . They all equal 12.

The factors of 15 are: 1, 3, 5 and 15.

These can be shown as pairs of factors: 1×15 ; 3×5 . They all equal 15.

Exercise:

- a) List the factors of 9 _____
- b) List the factors of 16 _____
- c) List the factors of 25 _____
- d) List the factors of 24 _____

8. PRIME NUMBERS

Prime numbers are special numbers that can only be divided by themselves and 1.

19 is a prime number it can only be divided by 1 and 19.

9 is not a prime number – it can be divided by 3 as well as by 1 and 9.

PRIME NUMBERS UP TO 30: 2; 3; 5; 7; 11; 13; 17; 19; 23; 29 (Two = only even prime no)

9. SQUARE NUMBERS

To make a square number, multiply a number by itself.

$2 \times 2 = 4$ which is a square number.

$3 \times 3 = 9$ which is a square number.

10. ODD AND EVEN NUMBERS

Even numbers are divisible by 2.

Odd numbers are numbers that are not divisible by 2.

11. GREATER AND LESS THAN; EQUAL TO

> = GREATER THAN

< = LESS THAN

= EQUAL TO

Fill in the correct symbols: > or < or =

3	4	67	32	34	52	17	2	6	6
---	---	----	----	----	----	----	---	---	---

12. ROUNDING OFF

Remember: 1; 2; 3 and 4 get rounded down
5; 6; 7; 8 and 9 get rounded up
These rules work for all numbers whether you are using tens, hundreds or thousands.

Examples: to the nearest 10

- a) 6 rounded off to the nearest 10 is 10 because it is closer to 10 than 0.
- b) 43 rounded off to the nearest 10 is 40 because it is closer to 40 than 50.
- c) 155 rounded off to the nearest 10 is 160 because it is closer to 160 than 150.

Examples: to the nearest 100

- a) 25 rounded off to the nearest 100 is 0 because it is closer to 0 than 100.
- b) 132 rounded off the nearest 100 is 100 because it is closer to 100 than 200.
- c) 250 rounded off to the nearest 100 is 300 because it is closer to 300 than 200.

Round off the following to the nearest 10.

58	63	45	3	99
321	189	249	2 162	1 345

Round off the following to the nearest 100.

26	87	132	278	350
1 369	2 521	3 001	2 500	49

List all the numbers that can be rounded off to 540 to the nearest 10. Look at the example before you go ahead.

320	315	316	317	318	319	320	321	322	323	324
540										
230										

How many multiples of 10 are there in 100? _____

How many multiples of 100 are there in 1000? _____

MENTAL MATHS TEST TO BE DONE

Revise pages 2 - 10

13. ADDITION

- Make sure when setting out your sum that your numbers must go in the correct Thousands, Hundreds, Tens and Units columns.
- When starting to add, make sure you start with your unit column first.
- Start your sum in the middle of the page and write one number per column.

Eg 3 437 + 1 242

$$\begin{array}{r} 3437 \\ + 1242 \\ \hline 4679 \end{array}$$

EXERCISE A

1. 348 + 258
2. 584 + 384
3. 680 + 258
4. 275 + 359
5. 342 + 598

EXERCISE B

1. 3 539 + 2 318
2. 2 589 + 1 539
3. 3 214 + 2 349
4. 5 112 + 3 211
5. 3 982 + 2 132

EXERCISE C

1. 3 582 + 389
2. 359 + 1 325
3. 453 + 62
4. 1 357 + 499
5. 6 211 + 98

EXERCISE D

1. 3 543 + 2 + 367
2. 24 + 236 + 2 543
3. 5 436 + 66 + 135
4. 3 678 + 9 + 245
5. 24 + 6 + 1 567

EXERCISE E

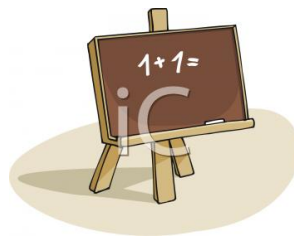
1. 4 654 + 3 + 564 + 25
2. 31 + 16 + 2 546 + 365
3. 342 + 5 654 + 22 + 248
4. 2 546 + 34 + 256 + 7
5. 7 + 24 + 235 + 1 458

COMPUTER ACTIVITY

MATHLETICS: Numbers and Patterns Column Addition (COMPULSORY)

MATHS BLASTER: Number Patterns, Addition

GENERAL MATHS GAMES: Place Value, Addition



14. SUBTRACTION

EXERCISE A

1. $643 - 531$
2. $986 - 742$
3. $537 - 326$
4. $531 - 428$

EXERCISE B

1. $835 - 768$
2. $427 - 367$
3. $742 - 567$
4. $426 - 269$

EXERCISE C

1. $5902 - 3893$
2. $4258 - 2673$
3. $5356 - 3567$
4. $3672 - 1870$

EXERCISE D

1. $4300 - 3788$
2. $6030 - 5543$
3. $3254 - 1987$
4. $5345 - 399$
5. $4009 - 3876$

EXERCISE E

1. $6436 - 4088$
2. $4330 - 2972$
3. $5342 - 3251$
4. $2400 - 897$
5. $7592 - 2385$

MATHLETICS: Numbers and Patterns ... Column Subtraction; Problems: Add and Subtract; Missing Values.

NUMBER WORK TEST TO BE DONE: REVISE PAGES 11 AND 12

15. PROBLEM SOLVING USING ADDITION AND SUBTRACTION

1) John planted 249 plants on Monday, 387 plants on Tuesday, 267 plants on Wednesday and 421 plants on Thursday. How many plants were planted all together?

2) 2064 boys are in a school. Flu strikes and 195 boys are sick. How many are present?

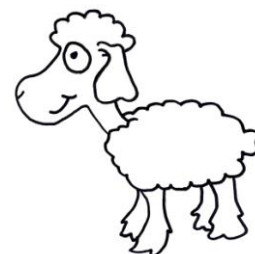
3) A farmer has 3156 sheep. He buys 2253 more in June and 489 in July. How many sheep does he have altogether?

4) Mr Black is collecting stamps. He needs 1234 to fill his book. He already has 835. How many more does he need?

5) There are 1465 boys in a school. A school down the road closes and 489 boys are added to the school. How many boys are at the school?

6) A farmer collects 3407 eggs. Later he finds 2597 eggs broken. How many eggs are not broken?

7) 1786 cars travelled on the N2 on Friday afternoon. 112 were grey, 234 were red and 534 were yellow. How many cars were other colours?



16. MONEY

- Convert all money to Rands and cents and then add or subtract.
- Before you start, set out the sum putting an R sign next to the top number.
- Write down the amounts putting them into Rands and cents. The commas must go directly underneath each other with 2 numbers after each comma.
- Put the R sign and the comma on the answer line – this is so you do not forget and therefore get the sum wrong.
- If working in Rands and cents, do not put any “cents” in your answer... just the R sign.

Example: R 145,32
 22,08
 21,76
 150,43
 R 199,53

EXERCISE A	EXERCISE B
<ol style="list-style-type: none"> 1. R 34,12 + R 6,09 + R157,34 + 55c 2. 5 432c + 654c + 6 c + R44,23 3. R16,54 + 46c + R457,43 + 66c 4. 234c + 8c + 9843c + 38c (Ans in Rand) 5. R12,45 + R323,56 + R55,89 	<ol style="list-style-type: none"> 1. R 234,90 – R24,89 2. R 234,76 – 5 321c 3. R 465,94 – R136,96 4. 5436c – R 21,78 5. R 104,04 – 87 c

REVISION EXERCISE

<ol style="list-style-type: none"> 1. R145,23 + 7c + 312c + R18 2. 3466c + 9c + R347,25 3. 69424c – R52,36 	<ol style="list-style-type: none"> 4. R426,21 – R56,35 5. R32,56 + R246,78 + R14 + 34c 6. 3526c – 2734c (Answer in Rands)
---	--

INSTAMATHS EXERCISES TO DO WITH MONEY

Money: cents to rands	Instamaths 50	Total 20	Your mark:
Money: rands to cents	Instamaths 51	Total 20	Your mark:
Money and change	Instamaths 54	Total 20	Your mark:
Change	Instamaths 55	Total 20	Your mark:
Money: + and -	Instamaths 56	Total 20	Your mark:
Money: more	Instamaths 57	Total 20	Your mark:

17. PROBLEM SOLVING (MONEY)

ADDITION AND SUBTRACTION PROBLEMS

1. John had R 142,26 more than Jack who has R 123,98. How much money does John have? (3)
2. Henry had R 31,29 and then bought ice creams for R 27,45. How much has he left? (3)
3. Chris has R 73,26. He needs R 94,18 in total to buy felt tips. How much more money does he need to buy them? (3)
4. It costs Chris R 24,16 to post two parcels. One parcel costs R13,32 to post. How much does the other parcel cost to post? (3)
5. Jack buys a book for R 131,26 and a magazine for R 22,09. How much does he spend altogether? (3)

6.

Tea : 55c	Ice-cream: 75c	Burger: R1,55
Scone: 35 c	Coke: 45 c	Crisps: 37c

- a) How much would I pay if I bought 1 tea, 1 scone and 1 ice cream? (1)
- b) What change would I get from a R2,00 note? (1)
- c) How much would I pay if I bought a coke, burger, crisps and 1 ice cream? (1)
- d) How much change would I get from a R10,00 note? (1)
- e) How much would 3 burghers cost me? (1)

TOTAL: 20 MARKS

