

# **WELCOME BACK GRADE 5s**

**Parents/Guardians:** There is a Mathematics Rule Booklet that parents and learners can go through to get a better understanding of the subject and for every activity there is a memorandum. Please use memorandum for marking.

**Learners:** Please answer on the worksheet and give an adult to mark. Use the rule booklet for help and better understanding.

# REVISION

## Grade Five

Activity 1: Whole Numbers Date: \_\_\_\_\_

Mental Maths	
$10 + 75 = \underline{\quad}$	$45 + \underline{\quad} = 60$
$12 \times 9 = \underline{\quad}$	$27 - \underline{\quad} = 13$
$60 \div 4 = \underline{\quad}$	$6 \times \underline{\quad} = 78$
$91 - 26 = \underline{\quad}$	$84 \div \underline{\quad} = 21$
$16 \times 2 + 7 = \underline{\quad}$	$63 - 22 - \underline{\quad} = 30$

Complete all question on the worksheet or in your classwork books

1. Write the numbers below in words

a. 24 564

b. \_\_\_\_\_

c. 568 207

2. Write the following numbers in expanded notation

a. 137 485 =

b. 670 198 =

3. Study the set of numbers below and rewrite them

32 919; 32 199; 31 299; 32 991; 39 219

a. Ascending order

b. \_\_\_\_\_

4. Complete the table to show the place values and number values of the underlined digit.

Number	Place Value	Number Value
Eg 48 <u>8</u> 291	thousands	8 000
a. 7 <u>3</u> 4 871		
b. <u>3</u> 45 619		
c. 253 <u>4</u> 08		
d. 195 3 <u>2</u> 1		
e. 39 <u>5</u> 434		
f. 276 43 <u>4</u>		

5. Complete the number sentences below by filling  $<$ ,  $>$ ,  $=$

a.  $72\,734$    $77\,101$

b.  $513\,467$    $500\,000 + 10\,000 + 3\,000 + 400 + 60 + 7$

c.  $54 + 79$    $79 + 54$

d.  $200 + 90 + 1$    $99$

e.  $99\,100$    $99\,200 - 100$

f.  $7 + 7 + 7$    $7 + 3$

# Memorandum

## REVISION

### Grade Five

Activity 1: Whole Numbers Date: \_\_\_\_\_

Mental Maths	
$10 + 75 = \underline{85}$	$45 + \underline{15} = 60$
$12 \times 9 = \underline{21}$	$27 - \underline{14} = 13$
$60 \div 4 = \underline{15}$	$6 \times \underline{13} = 78$
$91 - 26 = \underline{65}$	$84 \div \underline{4} = 21$
$16 \times 2 + 7 = \underline{39}$	$63 - 22 - \underline{11} = 30$

Complete all question on the worksheet or in your classwork books

1. Write the numbers below in words

a. 24 564

Twenty Four thousand, five hundred and sixty four

b. 172 399

One hundred and seventy two thousand, three hundred and ninety nine

c. 568 207

Five hundred and sixty eight thousand, two hundred and seven

2. Write the following numbers in expanded notation

a. 137 485 =

100 000 + 30 000 + 7000 + 400 + 80 + 5

b. 670 198 =

600 000 + 70 000 + 0 + 100 + 90 + 8

3. Study the set of numbers below and rewrite them

32 919; 32 199; 31 299; 32 991; 39 219

a. Ascending order

31 299, 32 199, 32 919, 32 991, 39 219

b. Descending order

39 219, 32 991, 32 919, 32 199, 31 299

4. Complete the table to show the place values and number values of the underlined digit.

Number	Place Value	Number Value
Eg <u>4</u> 88 291	thousands	8 000
a. 7 <u>3</u> 4 871	Ten thousands	30 000
b. <u>3</u> 45 619	Hundred thousands	300 000
c. 253 <u>4</u> 08	Hundreds	400
d. 195 3 <u>2</u> 1	Tens	20
e. 39 <u>5</u> 434	Thousands	5000
f. 276 4 <u>3</u> 4	Units	4

5. Complete the number sentences below by filling  $<$ ,  $>$ ,  $=$

a.  $72\,734 \boxed{<} 77\,101$

b.  $513\,467 \boxed{=} 500\,000 + 10\,000 + 3\,000 + 400 + 60 + 7$

c.  $54 + 79 \boxed{=} 79 + 54$

d.  $200 + 90 + 1 \boxed{>} 99$

e.  $99\,100 \boxed{=} 99\,200 - 100$

f.  $7 + 7 + 7 \boxed{>} 7 + 3$

# WHOLE NUMBERS

## ACTIVITY ONE

1. Write down the first ten whole numbers

\_\_\_\_\_

2. From the list of numbers given below, separate the odd and even numbers into the correct columns

15; 10; 25; 200; 9; 223; 98; 65; 402; 817; 42

Odd numbers	Even numbers

3. Write down the first 5 multiples of the following

Eg. Multiples of 10: 10; 20; 30; 40; 50

Multiples of 7: \_\_\_\_\_

Multiples of 12: \_\_\_\_\_

Multiples of 30: \_\_\_\_\_

Multiples of 150: \_\_\_\_\_

4. Write the following set of numbers in ascending order (smallest to biggest)  
3 310; 3 350; 3 130; 3 530; 3 510

5. Write the following set of numbers in descending order (biggest to smallest)  
6 295; 6 925; 6 529; 9 952; 5 592

6. Compare the following to make the number sentences true

Use one of the relationship signs  $>$ ,  $<$  or  $=$

a.  $5 \times 5$  \_\_\_\_\_  $10$

b.  $1\ 001$  \_\_\_\_\_  $999$

c.  $20 + 20 + 20 + 20 + 20$  \_\_\_\_\_  $100$

d.  $3\ 095$  \_\_\_\_\_  $5 + 3\ 000 + 100 + 90$

e.  $100 \div 100$  \_\_\_\_\_  $2$

7. Complete the counting patterns

a. 25; 50; 75; 100; \_\_\_\_\_; \_\_\_\_\_

b. 296; 298; \_\_\_\_\_; \_\_\_\_\_; 304

c. 2 085; 2 080; 2 075; 2 070; \_\_\_\_\_; \_\_\_\_\_

8. Complete the table

Round off each of the number to the nearest

Number	10	100	1 000
258			
5 221			
3 739			

9. Round off to the nearest 10 then add or subtract

a.  $47 + 81$   
 $= \underline{\quad} + \underline{\quad}$   
 $= \underline{\quad}$

b.  $788 - 121$   
 $= \underline{\quad} - \underline{\quad}$   
 $= \underline{\quad}$

10. Double the numbers and write the result

Double	Result
24	
36	
225	
578	

11. Half the numbers and write the result

Half of	Result
48	
76	
544	
892	

12. Complete the table by filling in the missing numbers(multiples)

X	1	2	3	4	5	6	7	8	9	10	11	12	20
3	3	6	9							30			60
4	4			16			28				44		
6	6		18		30							72	
7	7						49	56					
8	8	16			40						88		
9	9	18				54			81			108	

# PLACE VALUE

## ACTIVITY TWO

1. Place the digits of the following numbers under the correct place values

Number	Ten thousands	Thousands	Hundreds	Tens	units
2 476					
34 986					
26 509					
76 843					
89 005					

2. Write the words for the numbers

a. 19 245

\_\_\_\_\_

b. 28 034

\_\_\_\_\_

c. 67 190

\_\_\_\_\_

d. 80 345

\_\_\_\_\_

3. Write the place value and the number value of the underlined digits

a. 45 697

\_\_\_\_\_

b. 69 203

\_\_\_\_\_

c. 28 199

\_\_\_\_\_

d. 93 248

\_\_\_\_\_

e. 71 955

\_\_\_\_\_

4. Complete

a.  $20\ 000 + 5\ 000 + 400 + 30 + 2 =$  \_\_\_\_\_

b.  $70\ 000 + 6\ 000 + 300 + 50 + 0 =$  \_\_\_\_\_

c.  $90 + 90\ 000 + 300 + 1\ 000 + 9 =$  \_\_\_\_\_

d.  $5\ 000 + 10\ 000 + 2000 + 100 + 8 + 9 =$  \_\_\_\_\_

5. Write the numbers in expanded notation

a.  $34\ 576 =$  \_\_\_\_\_

b.  $29\ 098 =$  \_\_\_\_\_

c.  $92\ 403 =$  \_\_\_\_\_



# BASIC OPERATIONS

## ACTIVITY THREE

1. Complete the number sentences below

$8 + 9 =$	$17 - 8 =$	$4 \times 5 =$	$18 \div 6 =$
$15 + 4 =$	$28 - 14 =$	$2 \times 9 =$	$39 \div 3 =$
$27 + 35 =$	$47 - 19 =$	$5 \times 9 =$	$48 \div 8 =$
$33 + 64 =$	$54 - 23 =$	$7 \times 6 =$	$54 \div 9 =$
$45 + 54 =$	$82 - 11 =$	$8 \times 9 =$	$72 \div 12 =$
$72 + 23 =$	$73 - 34 =$	$12 \times 10 =$	$100 \div 10 =$
$88 + 55 =$	$80 - 44 =$	$6 \times 6 =$	$120 \div 20 =$
$79 + 99 =$	$96 - 18 =$	$9 \times 4 =$	$99 \div 10 =$

2. Calculate the following

a.  $2\ 543 + 3\ 126$

$= (2\ 000 + 500 + 40 + 3) + (3\ 000 + 100 + 20 + 6)$

= \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

b.  $7\ 892 - 4\ 521$

$= (7\ 000 + 800 + 90 + 2) - (4\ 000 + 500 + 20 + 1)$

= \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

c.

	2	5	6	7
+	6	1	3	2

	6	4	2	3
+	3	4	9	9

	3	3	2	7	0
+	1	4	7	5	9

	2	3	4	9	7
+	5	5	8	9	6

	5	5	8	7
-	2	1	5	6

	7	8	4	5
-	4	3	2	9

	6	4	7	8	5
-	1	8	3	4	2

	8	0	4	6	3
-	3	5	1	2	8

3. Calculate

a.  $23 \times 45$

$= (20 + 3) \times (40 + 5)$

$= (20 \times 40) + (20 \times 5) + (3 \times 40) + (3 \times 5)$

$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$

b.  $28 \times 63$

$= \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$

c.

	4	6
		7
x		
<hr/>		

	8	3
		9
x		
<hr/>		

		5	9
		6	4
x			
<hr/>			
<hr/>			

		9	9
		7	5
x			
<hr/>			
<hr/>			

d.  $396 \div 3$

$= (300 + 90 + 6) \div 3$

$= (300 \div 3) + (90 \div 3) + (6 \div 3)$

$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$

e.  $485 \div 5$

$= \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$   
 $= \underline{\hspace{2cm}}$

f.

4	6	4	

5	9	5	

7	8	4	

9	9	1	8

6	2	7	2

# NUMBER SENTENCES

## ACTIVITY FOUR

Complete the number sentences to make them true

1. The result of the number sentence on the right hand side must be equal to the result of the number sentence on the left hand side

- a.  $12 + 45 = 45 + \underline{\quad}$
- b.  $\underline{\quad} + 34 = 14 + 34$
- c.  $17 + 9 = \underline{\quad} + \underline{\quad}$
- d.  $25 - 5 = 17 + \underline{\quad}$
- e.  $40 \div 8 = 3 + \underline{\quad}$
- f.  $6 \times 5 = 50 - \underline{\quad}$
- g.  $10 + 10 + 10 = \underline{\quad} \times \underline{\quad}$

2. Find the inverse operation for each

Eg.  $15 + 8 = 23$  so  $23 - 8 = 15$

- a.  $60 + 9 = 69$  so  $\underline{\hspace{2cm}}$
- b.  $13 + 12 = 25$  so  $\underline{\hspace{2cm}}$
- c.  $43 - 10 = 33$  so  $\underline{\hspace{2cm}}$
- d.  $6 \times 8 = 48$  so  $\underline{\hspace{2cm}}$
- e.  $80 \div 8 = 10$  so  $\underline{\hspace{2cm}}$

3. Work out the brackets first

- a.  $(4 + 8) + 9 = \underline{\hspace{2cm}}$
- b.  $4 + (8 + 9) = \underline{\hspace{2cm}}$
- c.  $(28 - 10) - 4 = \underline{\hspace{2cm}}$
- d.  $28 - (10 - 4) = \underline{\hspace{2cm}}$
- e.  $(6 \times 2) \times 4 = \underline{\hspace{2cm}}$
- f.  $6 \times (2 \times 4) = \underline{\hspace{2cm}}$
- g.  $(36 \div 6) \div 2 = \underline{\hspace{2cm}}$
- h.  $36 \div (6 \div 2) = \underline{\hspace{2cm}}$

4. The following statements are false. Write the correct number sentence or answer for each. You may need to correct the answer or the operation or relationship sign.

- a.  $2 \times 2 \times 2 \times 2 = 8$   $\underline{\hspace{2cm}}$
- b.  $12 - (2 \times 4) = 40$   $\underline{\hspace{2cm}}$
- c.  $28 \times 0 = 7 \times 4$   $\underline{\hspace{2cm}}$
- d.  $100 > 2 \times 51$   $\underline{\hspace{2cm}}$
- e.  $100\,000 < 99\,999$   $\underline{\hspace{2cm}}$
- f.  $99 - 99 = 0 \times 99$   $\underline{\hspace{2cm}}$

# WORD PROBLEMS

## ACTIVITY FIVE

### IMPORTANT

- ❖ READ THE PROBLEM
- ❖ UNDERLINE THE QUESTION – WHAT IS THE QUESTION
- ❖ CIRCLE ALL THE NUMBERS
- ❖ WHAT OPERATION WILL YOU USE – USE THE KEY WORDS TO HELP YOU DECIDE THIS
- ❖ WRITE DOWN YOUR OPEN NUMBER SENTENCE
- ❖ DO THE CALCULATION – DO THE WORKING OUT (USE ANY METHOD)
- ❖ ANSWER YOUR QUESTION

1. Sam measured different pieces of string he had to cut during his Maths project. If he recorded the following measurements, 115mm; 28mm; 105mm and 213mm, what was the total length of string he cut?
  
2. Simphiwe arrive late to school on Monday morning. The school bell ring at 7:40am and she arrives 40 minutes late. At what time does Simphiwe come to school?
  
3. The school collected 10 000 Easter eggs for the charity this term. They distributed 4 987 eggs by the end of the term. How many eggs do they still need to give out?

4. Each learner in grade 5K brought 4 boxes of tissues at the beginning of the year, if there are 187 learners, how many boxes of tissues did they collect altogether?
5. Nkosi is paid R55 per hour to work at the market. How much money did he make if he worked at the market over the weekend for a total of nine hours?
6. A farmer packed 440 apples into 20 crates at the end of the days' picking. Find out how many apples he packed into each crate?
7. Double 72 and multiply this by 5. What is your final result?
8. The sum of three numbers is 88. If the first number is 29 and the second number is 13, what is the third number?
9. The product of 15 and 5 is subtracted from 100, what is the result?
10. The difference between 35 and 10 is added to 66. The answer is \_\_\_\_\_.

# Memorandum

## WHOLE NUMBERS

### ACTIVITY ONE

1. Write down the first ten whole numbers

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

2. From the list of numbers given below, separate the odd and even numbers into the correct columns

15; 10; 25; 200; 9; 223; 98; 65; 402; 817; 42

Odd numbers	Even numbers
<b>15; 25; 9; 223; 65; 817</b>	<b>10; 200; 98; 402; 42</b>

3. Write down the first 5 multiples of the following

Eg. Multiples of 10: 10; 20; 30; 40; 50

Multiples of 7: 7; 14; 21; 28; 35

Multiples of 12: 12; 24; 36; 48; 60

Multiples of 30: 30; 60; 90; 120; 150

Multiples of 150: 150; 300; 450; 600; 750

4. Write the following set of numbers in ascending order (smallest to biggest)

3 310; 3 350; 3 130; 3 530; 3 510

3 130; 3 310; 3 350; 3 510; 3 530

5. Write the following set of numbers in descending order (biggest to smallest)

6 295; 6 925; 6 529; 9 952; 5 592

9 952; 6 925; 6 529; 6 295; 5 592

6. Compare the following to make the number sentences true

Use one of the relationship signs  $>$ ,  $<$  or  $=$

No questions given

7. Complete the counting patterns

a. 25; 50; 75; 100; 125; 150

b. 296; 298; 300; 302; 304

c. 2 085; 2 080; 2 075; 2 070; 2 065; 2 060

8. Complete the table

Round off each of the number to the nearest

Number	10	100	1 000
258	<b>260</b>	<b>300</b>	<b>0</b>
5 221	<b>5 220</b>	<b>5 200</b>	<b>5 000</b>
3 739	<b>3 740</b>	<b>3 700</b>	<b>4 000</b>

## Memorandum

9. Round off to the nearest 10 then add or subtract

a.  $47 + 81$   
 $= 50 + 80$   
 $= 130$

b.  $788 - 121$   
 $= 790 - 120$   
 $= 670$

10. Double the numbers and write the result

Double	Result
24	48
36	72
225	450
578	1 156

11. Half the numbers and write the result

Half of	Result
48	24
76	38
544	272
892	446

12. Complete the table by filling in the missing numbers(multiples)

X	1	2	3	4	5	6	7	8	9	10	11	12	20
3	3	6	9	12	15	18	21	24	27	30	33	36	60
4	4	8	12	16	20	24	28	32	36	40	44	48	80
6	6	12	18	24	30	36	42	48	54	60	66	72	120
7	7	14	21	28	35	42	49	56	63	70	77	84	140
8	8	16	24	32	40	48	56	64	72	80	88	96	160
9	9	18	27	36	45	54	63	72	81	90	99	108	180

# Memorandum

## PLACE VALUE

### ACTIVITY TWO

1. Place the digits of the following numbers under the correct place values

Number	Ten thousands	Thousands	Hundreds	Tens	units
2 476		2	4	7	6
34 986	3	4	9	8	6
26 509	2	6	5	0	9
76 843	7	6	8	4	3
89 005	8	9	0	0	5

2. Write the words for the numbers

- 19 245 – **nineteen thousand, two hundred and forty five**
- 28 034 – **twenty eight thousand and thirty four**
- 67 190 – **sixty seven thousand, one hundred and ninety**
- 80 345 – **eighty thousand three hundred and forty five**

3. Write the place value and the number value of the underlined digits

- 45 697 - **nine tens or 90**
- 69 203 - **nine thousands or 9 000**
- 28 199 - **nine units or 9**
- 93 248 - **nine ten thousands or 90 000**
- 71 955 - **nine hundreds or 900**

4. Complete

- $20\ 000 + 5\ 000 + 400 + 30 + 2 = 25\ 432$
- $70\ 000 + 6\ 000 + 300 + 50 + 0 = 76\ 350$
- $90 + 90\ 000 + 300 + 1\ 000 + 9 = 91\ 399$
- $5\ 000 + 10\ 000 + 2000 + 100 + 8 + 9 = 17\ 117$

5. Write the numbers in expanded notation

- $34\ 576 = 30\ 000 + 4\ 000 + 500 + 70 + 6$
- $29\ 098 = 20\ 000 + 9\ 000 + 0 + 90 + 8$
- $92\ 403 = 90\ 000 + 2\ 000 + 400 + 0 + 3$



# Memorandum

## BASIC OPERATIONS

### ACTIVITY THREE

1. Complete the number sentences below

$8 + 9 = 17$	$17 - 8 = 9$	$4 \times 5 = 20$	$18 \div 6 = 3$
$15 + 4 = 19$	$28 - 14 = 14$	$2 \times 9 = 18$	$39 \div 3 = 13$
$27 + 35 = 62$	$47 - 19 = 28$	$5 \times 9 = 45$	$48 \div 8 = 6$
$33 + 64 = 97$	$54 - 23 = 31$	$7 \times 6 = 42$	$54 \div 9 = 6$
$45 + 54 = 99$	$82 - 11 = 71$	$8 \times 9 = 72$	$72 \div 12 = 6$
$72 + 23 = 95$	$73 - 34 = 39$	$12 \times 10 = 120$	$100 \div 10 = 10$
$88 + 55 = 143$	$80 - 44 = 36$	$6 \times 6 = 36$	$120 \div 20 = 6$
$79 + 99 = 178$	$96 - 18 = 78$	$9 \times 4 = 36$	$99 \div 10 = 9 \text{ rem } 9$

2. Calculate the following

a.  $2\ 543 + 3\ 126$

$$= (2\ 000 + 500 + 40 + 3) + (3\ 000 + 100 + 20 + 6)$$

$$= (2\ 000 + 3\ 000) + (500 + 100) + (40 + 20) + (3 + 6)$$

$$= \quad 5\ 000 \quad + \quad 600 \quad + \quad 60 \quad + \quad 9$$

$$= \quad 5\ 669$$

b.  $7\ 892 - 4\ 521$

$$= (7\ 000 + 800 + 90 + 2) - (4\ 000 + 500 + 20 + 1)$$

$$= (7\ 000 - 4\ 000) + (800 - 500) + (90 - 20) + (2 - 1)$$

$$= \quad 3\ 000 \quad + \quad 300 \quad + \quad 70 \quad + \quad 1$$

$$= \quad 3\ 371$$

c.

	2	5	6	7
+	6	1	3	2
	8	6	9	9

	6	14	12	3
+	3	4	9	9
	9	9	2	2

	3	13	12	17	0
+	1	4	7	5	9
	4	8	0	2	9

	2	13	14	19	7
+	5	5	8	9	6
	7	9	3	9	3

	5	5	8	7
-	2	1	5	6
	3	4	3	1

	7	8	34	15
-	4	3	2	9
	3	5	1	6

	56	14	7	8	5
-	1	8	3	4	2
	4	6	4	4	3

	78	10	4	56	13
-	3	5	1	2	8
	4	5	3	3	5

# Memorandum

## 3. Calculate

a.  $23 \times 45$

$$= (20 + 3) \times (40 + 5)$$

$$= (20 \times 40) + (20 \times 5) + (3 \times 40) + (3 \times 5)$$

$$= 800 + 100 + 120 + 15$$

$$= 800 + 100 + 100 + 20 + 10 + 5$$

$$= 1\ 035$$

b.  $28 \times 63$

$$= (20 + 8) \times (60 + 3)$$

$$= (20 \times 60) + (20 \times 3) + (8 \times 60) + (8 \times 3)$$

$$= 1\ 200 + 60 + 480 + 24$$

$$= 1\ 000 + 200 + 400 + 60 + 80 + 20 + 4$$

$$= 1\ 764$$

	44	6
		7
x		
3	2	2

	28	3
		9
x		
7	4	7

		5	9
		6	4
x			
	2	3	6
3	5	4	0
3	7	7	6

		9	9
		7	5
x			
	4	9	5
6	9	3	0
7	4	2	5

c.  $396 \div 3$

$$= (300 + 90 + 6) \div 3$$

$$= (300 \div 3) + (90 \div 3) + (6 \div 3)$$

$$= 100 + 30 + 2$$

$$= \underline{132}$$

d.  $485 \div 5$

$$= (400 + 80 + 5) \div 5$$

$$= (400 \div 5) + (80 \div 5) + (5 \div 5)$$

$$= 80 + 16 + 1$$

$$= \underline{97}$$

e.

	1	6	
4	6	4	
	4		
	2	4	
	2	4	
	.	.	

	1	9	
5	9	5	
	5		
	4	5	
	4	5	
	.	.	

	1	2	
7	8	4	
	7		
	1	4	
	1	4	
	.	.	

	1	0	2
9	9	1	8
	9		
	0	1	
		0	
		1	8
		1	8
	.	.	

		4	5	Rem2
6	2	7	2	
	2	4		
		3	2	
		3	0	
			2	

## Memorandum

# NUMBER SENTENCES

### ACTIVITY FOUR

Complete the number sentences to make them true

- The result of the number sentence on the right hand side must be equal to the result of the number sentence on the left hand side
  - $12 + 45 = 45 + \underline{12}$
  - $\underline{14} + 34 = 14 + 34$
  - $17 + 9 = \underline{9 + 17}$
  - $25 - 5 = 17 + \underline{3}$
  - $40 \div 8 = 3 + \underline{2}$
  - $6 \times 5 = 50 - \underline{20}$
  - $10 + 10 + 10 = \underline{3 \times 10 \text{ or } 10 \times 3}$
- Find the inverse operation for each  
Eg.  $15 + 8 = 23$  so  $23 - 8 = 15$ 
  - $60 + 9 = 69$  so  $\mathbf{69 - 9 = 60}$
  - $13 + 12 = 25$  so  $\mathbf{25 - 12 = 13}$
  - $43 - 10 = 33$  so  $\mathbf{33 + 10 = 43}$
  - $6 \times 8 = 48$  so  $\mathbf{48 \div 8 = 6}$
  - $80 \div 8 = 10$  so  $\mathbf{10 \times 8 = 80}$
- Work out the brackets first
  - $(4 + 8) + 9 = \mathbf{12 + 9 = 21}$
  - $4 + (8 + 9) = \mathbf{4 + 17 = 21}$
  - $(28 - 10) - 4 = \mathbf{18 - 4 = 14}$
  - $28 - (10 - 4) = \mathbf{28 - 6 = 22}$
  - $(6 \times 2) \times 4 = \mathbf{12 \times 4 = 48}$
  - $6 \times (2 \times 4) = \mathbf{6 \times 8 = 48}$
  - $(36 \div 6) \div 2 = \mathbf{6 \div 2 = 3}$
  - $36 \div (6 \div 2) = \mathbf{36 \div 3 = 12}$
- The following statements are false. Write the correct number sentence or answer for each. You may need to correct the answer or the operation or relationship sign.
  - $2 \times 2 \times 2 \times 2 = 8$        $\mathbf{2 \times 2 \times 2 \times 2 = 16}$
  - $12 - (2 \times 4) = 40$        $\mathbf{12 - (2 \times 4) = 4}$
  - $28 \times 0 = 7 \times 4$        $\mathbf{28 \times 0 < 7 \times 4}$
  - $100 > 2 \times 51$        $\mathbf{100 < 2 \times 51}$
  - $100\ 000 < 99\ 999$        $\mathbf{100\ 000 > 99\ 999}$
  - $99 - 99 = 0 \times 99$        $\mathbf{\text{true } 99 - 99 = 0 \times 99}$

# Memorandum

## WORD PROBLEMS

### ACTIVITY FIVE

### IMPORTANT

- ❖ READ THE PROBLEM
- ❖ UNDERLINE THE QUESTION – WHAT IS THE QUESTION
- ❖ CIRCLE ALL THE NUMBERS
- ❖ WHAT OPERATION WILL YOU USE – USE THE KEY WORDS TO HELP YOU DECIDE THIS
- ❖ WRITE DOWN YOUR OPEN NUMBER SENTENCE
- ❖ DO THE CALCULATION – DO THE WORKING OUT (USE ANY METHOD)
- ❖ ANSWER YOUR QUESTION

Remember: your own method of calculations is accepted as long as you get to the correct answer.

1. Sam measured different pieces of string he had to cut during his Maths project. If he recorded the following measurements, 115mm; 28mm; 105mm and 213mm, what was the total length of string he cut?

$$\begin{array}{r} 115 \text{ mm} \\ 28 \text{ mm} \\ 105 \text{ mm} \\ + 213 \text{ mm} \\ \hline 461 \text{ mm} \end{array}$$

The total length of the string he cut 461 mm

2. Simphiwe arrive late to school on Monday morning. The school bell ring at 7:40am and she arrives 40 minutes late. At what time does Simphiwe come to school?

$$\begin{array}{r} 7 : 40 \\ + \quad 40 \\ \hline 7 : 80 \end{array}$$

80 minutes = 1 hour 20 minutes

so 7 + 1 = 8hour

Therefore we can say she arrives at 8:20am

3. The School collected 10 000 Easter eggs for the charity this term. They distributed 4 987 eggs by the end of the term. How many eggs do they still need to give out?

$$\begin{array}{r} 10\ 000 \\ - 4\ 987 \\ \hline \end{array}$$

5 013 they still need to distribute 5 013 eggs

## Memorandum

4. Each learner in grade 5K brought 4 boxes of tissues at the beginning of the year, if there are 187 learners, how many boxes of tissues did they collect altogether?

$$\begin{array}{r} 187 \\ \times 4 \\ \hline 746 \end{array}$$

**They collected 746 boxes altogether**

5. Nkosi is paid R55 per hour to work at the market. How much money did he make if he worked at the market over the weekend for a total of nine hours?

$$\begin{array}{r} R 55 \\ \times 9 \\ \hline 495 \end{array}$$

**Nkosi makes R 495 for his work**

6. A farmer packed 440 apples into 20 crates at the end of the days' picking. Find out how many apples he packed into each crate?

$$\begin{aligned} & 440 \div 20 \\ & = (400 + 40) \div 20 \\ & = (400 \div 20) + (40 \div 20) \\ & = 20 + 2 \\ & = 22 \end{aligned}$$

7. Double 72 and multiply this by 5. What is your final result?

$$72 \times 5 = 360$$

8. The sum of three numbers is 88. If the first number is 29 and the second number is 13, what is the third number?

$$29 + 13 + \underline{\quad} = 88 \quad \text{so } 29 + 13 = 42 \quad \text{and } 88 - 42 = 46$$

**Therefore  $29 + 13 + 46 = 88$**

9. The product of 15 and 5 is subtracted from 100, what is the result?

$$100 - (15 \times 5) = \underline{\quad} \quad 15 \times 5 = 75 \quad \text{so}$$

$$100 - 75 = 24$$

10. The difference between 35 and 10 is added to 66. The answer is         .

$$66 + (35 - 10) = \underline{\quad} \quad 35 - 10 = 25 \quad \text{so}$$

$$66 + 25 = 91$$