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NAME: \_\_\_\_\_

GRADE: \_\_\_\_\_

TERM: \_\_\_\_\_

TEACHER: \_\_\_\_\_

SCHOOL: \_\_\_\_\_

## A 1. Place Value Quick Quiz

Place Value														
Trillions			Billions			Millions			Thousands		Ones			
Hundred trillions			Hundred billions			Hundred millions			Hundred thousands			Hundreds		
Ten trillions			Ten billions			Ten millions			Ten thousands			Tens		
Trillions			Billions			Millions	5		Thousands	2		Ones		
								5		7				
								2		8				
								7		1				
								8		9				
								1		4				
								9						
								4						

In each of the following **tick** the correct answer.

1. What is the value of the digit 4 in the number 54 062?

- a. 4 000
- b. 400
- c. 40 000

2. What is the usual way of saying the number 13?

- a. 30
- b. 13
- c. 1 ten and 3 ones

3. How do you say the number 34 023?

- a. Thirty-four thousand and twenty-three
- b. Three thousand, four hundred and twenty-three
- c. Thirty-four thousand, a hundred and twenty-three

4. Look at the cost of these three cars: Car A: R18 500

Car B: R1 890

Car C: R15 600

Arrange the cars in order of price, from the most expensive to the cheapest.

- a. Car A, Car B, Car C
- b. Car A, Car C, Car B
- c. Car B, Car A, Car C

5. What is the value of  $37 \times 100$ ?

- a. 370
- b. 3 700
- c. 37 000

2. Write the following numbers in words:

- a. 132 .....
- b. 709 .....
- c. 560 .....
- d. 1 542 .....
- e. 4 671 .....

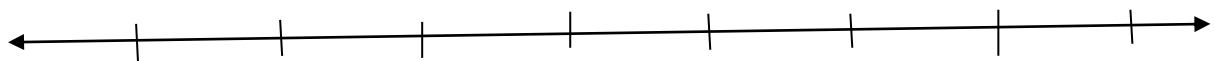
3. Write the following as ordinary numbers and then arrange them from smallest to biggest:

- a. Three hundred and ninety-six .....
- b. Six thousand, five hundred and four .....
- c. Five hundred and sixty-four thousand, three hundred and eighty-two .....
- d. Seventy thousand and four .....
- e. Answers from above, arranged in ascending order:

.....

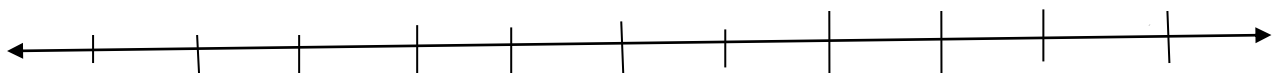
4. Number lines.

- a. Study the number line below and write the numbers 2 200; 2 400; 2 800 and 3 200 below the marks where they belong.



2 000

- b. Write these numbers at the correct marks on the number line below, from smallest to biggest. Leave marks open for the missing numbers. 5 220; 5 290; 5 270; 5 210; 5 250; 5 280; 5 230; 5 300



5 200

**5. Give the value of the underlined digit in the following numbers:**

- a. 4 721 .....
- b. 24 519 .....
- c. 568 .....

**B 1. Write the following as ordinary numbers:**

- a.  $(7 \times 100) + (5 \times 10) + (4 \times 1) =$  .....
- b.  $(3 \times 1\,000) + (0 \times 100) + (8 \times 10) + (7 \times 1) =$  .....
- c.  $(5 \times 100) + (0 \times 10) + (3 \times 1) =$  .....
- d.  $700 + 50 + 2\,000 + 8 =$  .....
- e.  $6\,000 + 200 + 6 =$  .....
- f.  $70 + 300 + 6 + 1\,000 =$  .....
- g.  $6\,000 + 40 =$  .....

**2. Is 63 closer to 60 or 70? ..... Now round off 63 to the nearest 10. ....**

**3. Round off the following numbers to the nearest 100:**

- a.  $749 \approx$  .....
- b.  $751 \approx$  .....
- c.  $750 \approx$  .....
- d.  $5\,072 \approx$  .....

**4. Complete the table:**

Number	Round to the nearest 10	Round to the nearest 100
2476		
8751		
6913		

**C. 1. Write in ascending order:**

- a. 4 765; 4 657; 4 576; 4 756 .....
- b. 9 821; 9 218; 8 912; 9 128 .....
- c. 5 836; 5 683; 5 386; 5 862 .....

**2. Write the expanded notation:**

- a. 6 395 .....
- b. 36 204 .....

**3. Write numbers as you go along in each counting task:**

- a. Count forwards in 50's from 1 150 up to 1 300.  
.....
- b. Count forwards in 5's from 2 162 until you reach 2 177.  
.....
- c. Count forwards in 25's from 1 127 until you reach 1 2 02.  
.....
- d. Count backwards in 100's from 3 370 to 2 970.  
.....

**4. Write down:**

- a. The place value of the 7 in 782 631. ....
- b. All the factors of 12. ....
- c. All the factors of 20. ....
- d. Write down the highest common factor (HCF) of 12 and 20. ....
- e. The first 5 multiples of 6 ....
- f. List the first 5 multiples of 8 ....
- g. What is the lowest common multiple (LCM) of 6 and 8? ....
- h. 68 784 rounded off to the nearest hundred ....
- i. The 6<sup>th</sup> multiple of 5 ....
- j. The first 4 multiples of 9 ....

**5. Write the answers. Clue: First add all the 10s.**

- a.  $9 + 2 + 1 + 8 + 6 + 4 = \dots\dots\dots$
- b.  $5 + 6 + 5 + 3 + 7 + 4 + 9 + 1 = \dots\dots\dots$
- c.  $4 + 4 + 5 + 5 + 6 + 6 + 7 + 7 + 3 + 3 = \dots\dots\dots$
- d.  $12 + 8 + 13 + 4 + 7 + 16 = \dots\dots\dots$
- e.  $15 + 9 + 5 + 11 + 7 + 2 + 18 = \dots\dots\dots$

**D 1. In the spaces below calculate using the expanded vertical column method of addition or subtraction.**

a.  $37 + 42 = \square$

b.  $75 + 18 = \square$

c.  $72 + 46 = \square$

d.  $3\,452 + 1\,486 = \square$

e.  $746 - 185 = \square$

f.  $521 - 342 = \square$

**2. Underline each number that is divisible by 5:**

79 325; 3 551; 15 752; 99 400; 60 008

**3. Find the answer to the following: (Remember Order of Operations or BODMAS)**

- a.  $5 \times 2 + 3 = \dots\dots\dots$
- b.  $5 + 2 \times 3 = \dots\dots\dots$
- c.  $8 + 6 \div 3 = \dots\dots\dots$
- d.  $16 + 8 \div 2 + 1 = \dots\dots\dots$
- e.  $(16 + 8) \div 2 + 1 = \dots\dots\dots$
- f.  $(18 - 6) \div (2 + 1) = \dots\dots\dots$

**4. Place one of the symbols (= or < or >) between the two numbers:**

- a. 7 ..... 6
- b.  $5 \times 5$  ..... 25
- c. 312 ..... 321

**5. Use maths symbols to show the following:**

**eg. 9 is not equal to  $5+2$  is written as:  $9 \neq 5 + 2$  or  $9 > 5 + 2$**

- a. 7 is not equal to 6.....
- b. 8 is less than the sum of 5 and 6 .....
- c. The difference between 10 and 6 is equal to 2 times 2 .....

**E 1. Find:**

- a. The product of 3 and 4 .....
- b. The sum of 8 and 3 .....
- c. The difference between 9 and 2 .....
- d. The quotient of 6 and 3 .....
- e. The difference between 6 and 1.....
- f. The quotient of 45 and 9 .....
- g. 4 squared .....
- h. The sum of 36 and 48 .....
- i. The sum of 4 and 0 .....
- j. The product of 0 and 7 .....
- k. The quotient of 0 and 3 .....

- l. The product of 23 and 1 .....
- m. The quotient of 61 and 1 .....
- n. The product of 2 and 15 increased by 7 .....
- o. The quotient of 18 and 2 decreased by 4 .....
- p. What must 25 be multiplied by to get 150? .....
- q. What number is 8 less than 2 002? .....
- r. The biggest 4-digit number is .....
- s. The difference between the biggest 4 digit and the biggest 3-digit number is .....
- t. The number that is 100 less than 5 786 .....
- u. The number that is 10 more than 1 896 .....
- v. The number that is 10 less than 3 708 .....
- w. The number that is 100 more than 4 590 .....
- x. What is  $4 \times 0$ ? .....
- y. What is  $300 \div 100$ ? .....

**2. Round off the numbers to get an approximate answer:**

e.g.  $271 + 28 \approx 270 + 30 \approx 300$

- a.  $64 \div 24 \approx$  .....
- b.  $198 + 19 \approx$  .....
- c.  $152 - 33 \approx$  .....
- d.  $67 + 83 \approx$  .....
- e.  $242 - 29 \approx$  .....

**3. Problem Solving**

- a. Themba went to the Harkerville Market and bought 3 coffee mugs at R22,50 each, a T-shirt for R120 and 4 second-hand books for R10 each. How much change is left over from R400?
  
- b. Find two numbers which multiply to get 24 but at the same time the numbers must also add up to give 11.



- c. Write the second largest number possible using the digits 1, 3 and 7.
- d. A family travels 400 km by car. After 317 km they stop for a drink. How many more kilometres do they have to travel to complete their journey?
- e. In a cricket match Kwanokuthula Primary scored 550 runs. Their opponents, Phakamisani, scored 425 runs. What was the total number of runs scored?
- f. Use the **same** three numbers from the subtraction sum below to write another subtraction sum and an addition sum.

$$1352 - 700 = 652$$

- I. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_
- II. \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

- g. A box contains 102 apples. A family eats 45 apples. How many apples are left?

h. A bakery starts the day with 7 000 bread rolls. At the end of the day there are 258 bread rolls left. How many did the bakery sell in that day?

i. Sam had 22 stickers. He bought 24 new stickers at the Crazy Store and got 10 new stickers for his birthday. Then Sam gave 9 of his stickers to his sister and used 38 to decorate a birthday card. How many does he have left?

j. Funeka sold lemonade at the market for 5 days. On the first day she made R1. Every day after that she made R1 more than the previous day. It is useful when working out problems like this to use a table or chart. Use the chart below to work out how much money she made altogether over the five days.

Day	Amount made
1	
2	
3	
4	
5	

Complete: She made ..... altogether over the 5 days.

**F 1. Write each number sentence in symbols:**

a. Adding up 20 fives gives the same result as adding up 10 tens .....

b. 25 times 2 gives the same answer as 10 times 5 .....

c. The difference between 250 and 270 is the same as difference between 150 and 170  
.....

**2. State whether these number sentences are TRUE or FALSE:**

- a.  $3 \times 6 = 6 \times 3$  .....
- b.  $5 + 5 + 5 + 5 + 5 + 5 = 6 + 6 + 6 + 6 + 6$  .....
- c.  $100 - 50 = 50 - 100$  .....
- d.  $(12 + 7) + 6 = 12 + (7 + 6)$  .....
- e.  $7 - 5 + 10 = 7 + 10 - 5$  .....
- f.  $12 - (3 + 5) = 12 - 3 + 5$  .....

**3. What is the missing number in each number sentence?**

- a.  $11 \times 4 = \dots\dots\dots$
- b.  $\dots\dots\dots \times 7 = 56$
- c.  $21 \div 3 = \dots\dots\dots$
- d.  $8 \times 3 = \dots\dots\dots$
- e.  $45 \div 5 = \dots\dots\dots$
- f.  $\dots\dots\dots \times 4 = 36$
- g.  $9 \times 0 = \dots\dots\dots$
- h.  $(7 \times 2) + (7 \times 3) = \dots\dots\dots$
- i.  $(25 \div 5) \times 10 = \dots\dots\dots$
- j.  $28 \div 7 = \dots\dots\dots$

**4. Fill in number sentences with answers:**

Word problem	Number sentence with answer
<i>Example: I have 26 books and buy 15 more. How many do I have now?</i>	<i>Example: <math>26 + 15 = 41</math></i>
a. Mandla has 5 soccer cards. He buys another 9 cards. How many cards does he have altogether?	
b. Kobus took 12 sweets out of the packet of 16 sweets. How many sweets are left?	
c. Five hundred and sixty chairs are packed into 10 rows. How many chairs are in each row?	
d. During the year 100 babies were born in a town. 63 were girls. How many were boys?	
e. How many times can you take 2 sweets out of a packet of 10	

sweets?	
f. An aeroplane tank holds 3 600 litres of fuel. At the end of a flight there are 2 800 litres left. How many litres of fuel can be added to fill up the tank?	
g. Seven pupils must divide R77 equally. How much does each pupil get?	
h. A jug contains 625 ml of juice. How much juice must be added to make 1 000 ml of juice?	
i. A bottle holds 50 ml of perfume. If I have 4 bottles, how much perfume do I have altogether?	
j. Marie played a card game 5 times. She won 10 matchsticks each time. How many matchsticks does she have altogether?	

**G 1. Number Sentences**

Fill in the correct operation sign: – or x or ÷

a. 4 ..... 4 = 1	k. 4 ..... 1 = 4
b. 0 ..... 4 = 0	l. 4 ..... 4 = 0
c. 4 ..... 4 = 16	m. 17 ..... 5 = 12
d. 9 ..... 5 = 45	n. 63 ..... 7 = 9
e. 20 ..... 2 = 18	o. 11 ..... 10 = 1
f. 11 ..... 10 = 110	p. 4 ..... 15 = 19
g. 42 ..... 7 = 6	q. 8 ..... 25 = 200
h. 40 ..... 2 = 20	r. 72 ..... 6 = 78
i. 200 ..... 2 = 100	s. 0 ..... 11 = 0
j. 200 ..... 2 = 198	t. 109 ..... 1 = 109

**2. Doubling and halving**

a. Complete each row of the table by doubling the numbers as you work across:

4	8		32	
10		40		160
7	14		56	

15		60		240
150	300	600		

b. Halve the following numbers:

24 →	50 →	100 →	750 →
30 →	68 →	360 →	1 500 →
500 →	1 000 →	250 →	30 000 →

### 3. Magic squares

In a magic square each row, column and diagonal add up to the same total. Fill in the missing numbers in these magic squares?

a. The sum is 15

	7	6
9	5	
4		8

b. The sum is 12

	8	1
2		6
7	0	

c. The sum is 170

	70		20
	35	30	45
40	55	50	