

# MATHEMATICS

## GRADE 4

### TERM 2




DATE: .....

#### 1. TOPIC: ADDITION AND SUBTRATION 1 Week Covid19 Plan

#### 2. CONCEPTS & SKILLS TO BE ACHIEVED:

By the end of the week learners should know and be able to;

- Addition: Using the breaking up method to add
- Subtration: Using the breaking down method to subtract
- Solving different types of words problems
- Explore different calculation strategies.

<b>3. RESOURCES:</b>	Sasol-Inzalo Term 2 book, Textbooks (for further practice)
<b>4. Icons</b>      	<b>Indicates notes to teachers, parents and/or the learner</b>  <p>Icon for teachers</p>  <p>Icon for parents</p>  <p>Icon for learners</p>

## 1. (Day 1: +/-10 mins): INTRODUCTION

Start class with the following questions:



- Refresh your memory (verbally – can you expand these numbers?)

- a. 1 647 = \_\_\_\_\_
- b. 2 370 = \_\_\_\_\_
- c. 7 564 = \_\_\_\_\_
- d. 4 976 = \_\_\_\_\_

- Try to do these mental calculations:

- e.  $4\,000 + 6\,000 =$  \_\_\_\_\_
- f.  $6\,800 + 3\,200 =$  \_\_\_\_\_
- g.  $5\,300 + 4\,700 =$  \_\_\_\_\_
- h.  $10\,000 - 4\,000 =$  \_\_\_\_\_
- i.  $7\,500 - 3\,500 =$  \_\_\_\_\_
- j.  $8\,365 - 5\,000 =$  \_\_\_\_\_
- k.  $4\,287 +$  \_\_\_\_\_  $= 4\,300$
- l.  $3\,063 +$  \_\_\_\_\_  $= 6\,000$
- m.  $624 +$  \_\_\_\_\_  $= 8\,000$



Use the following example to explain the concept of addition using the Breaking up method. Breaking up one number.

One way to calculate  $3\,785 + 4\,667$  is to break the  $4\,667$  down into its place value parts and add them one by one to  $3\,785$ :

$$\begin{aligned}4\,667 &= 4\,000 + 600 + 60 + 7 \\3\,785 + 4\,000 &= 7\,785 \\7\,785 + 600 &= 8\,385 \\8\,385 + 60 &= 8\,445 \\8\,445 + 7 &= 8\,452\end{aligned}$$

The smaller parts can be added first if you prefer to do so:

$$\begin{aligned}3\,785 + 7 &= 3\,792 \\3\,792 + 60 &= 3\,852 \\3\,852 + 600 &= 4\,452 \\4\,452 + 4\,000 &= 8\,452\end{aligned}$$

## 2. Let's investigate

(a) . Will we get the same answer if we start with 4667?

$$3\,000 + 700 + 80 + 5$$

$$4\,667 + 3\,000 =$$

$$7\,667 + 700 =$$

$$8\,367 + 80 =$$

$$8\,447 + 5 =$$

### 3. Calculate:

(a)  $1\,212 + 8\,688$

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(b)  $5\,421 + 3\,399$

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(c)  $5\,583 + 3\,489$

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(d)  $7\,354 + 1\,687$

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(e)  $\square - 4\,675 = 4\,588$

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(f)  $\square 789 = 2\,334$

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### CONSOLIDATION / CONCLUSION & HOMEWORK

**(Day 2 -Activity 2 +/- 40min): Calculating addition: Breaking up both numbers.**



To calculate  $3\,465 + 4\,574$  you can break *both* numbers down, work with the parts of the same kind, and then build the answer up.

**Break down:**

$$3\,465 = 3\,000 + 400 + 60 + 5$$

$$4\,574 = 4\,000 + 500 + 70 + 4$$

**Work with the parts:**

$$3\,000 + 4\,000 = 7\,000$$

$$400 + 500 = 900$$

$$60 + 70 = 130$$

$$5 + 4 = 9$$

**Build up the answer:**

$$\begin{aligned} &3\,465 + 4\,574 \\ &= 7\,000 + 900 + 130 + 9 \\ &\quad \text{Transfer 100 from 130 to 900} \\ &= 7\,000 + 1\,000 + 30 + 9 \\ &\quad \text{Transfer 1\,000 to 7\,000} \\ &= 8\,000 + 0 + 30 + 9 \\ &= 8\,039 \end{aligned}$$

Writing the expanded notations in separate lines makes it easier to see which parts belong together.

When  $3\,465 + 4\,574$  is calculated, do you think it matters which of 4 000, 500, 70 and 4 is added to 3 465 first and which part is added next?

Complete these calculations to check your answer:

(a)  $3\,465 + 4 \rightarrow \dots + 70 \rightarrow \dots + 500 \rightarrow \dots + 4\,000 = \dots$

(b)  $3\,465 + 70 \rightarrow \dots + 4 \rightarrow \dots + 4\,000 \rightarrow \dots + 500 = \dots$

(c)  $3\,465 + 500 \rightarrow \dots + 4\,000 \rightarrow \dots + 4 \rightarrow \dots + 70 = \dots$

Break all numbers down to calculate the following:

(a)  $4\,478 + 3\,827$

(b)  $6\,289 + 1\,877$

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(c)  $866 + 967 + 678$

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(d)  $1\,287 + 991 + 658 + 786$

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**(Day 3: +/- 10 mins): INTRODUCTION: SUBTRACTION**

Fill in the missing answers. Explain how you found the answers.

- a)  $90 + \dots = 100$
- b)  $85 + \dots = 100$
- c)  $78 + \dots = 200$
- d)  $325 + \dots = 350$
- e)  $312 + \dots = 400$
- f)  $350 + \dots = 525$

**(Day 3: Activity 2 +/- 30 – 40 mins). Subtraction: Using the breaking up method.**

1.



To calculate  $6\,878 - 4\,465$  you can break *both* numbers down into place value parts, work with the parts of the same kind, and then build the answer up.

**Break down:**

$$6\,878 = 6\,000 + 800 + 70 + 8$$

$$4\,465 = 4\,000 + 400 + 60 + 5$$

**Work with the parts:**

$$6\,000 - 4\,000 = 2\,000$$

$$800 - 400 = 400$$

$$70 - 60 = 10$$

$$8 - 5 = 3$$

**Build up the answer:**

$$6\,878 - 4\,465 = 2\,000 + 400 + 10 + 3 = 2\,413$$

The above actions can also be described by using brackets:

$$\begin{aligned} 6\,878 - 4\,465 &= (6\,000 + 800 + 70 + 8) - (4\,000 + 400 + 60 + 5) \\ &= (6\,000 - 4\,000) + (800 - 400) + (70 - 60) + (8 - 5) \\ &= 2\,000 + 400 + 10 + 3 \\ &= 2\,413 \end{aligned}$$

2. Calculate each of the following by breaking both numbers down into place value parts, working with the parts and building the answers up.

(a)  $7\,698 - 2\,354$

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(b)  $6\,567 - 4\,143$

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(c)  $6\,559 - 3\,325$

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(d)  $6\,552 - 3\,325$

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2. Ben has R4 325 and he pays. R2 768 rent for his house.  
How much money will he have left?

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3. Farmer Cele has two farms. He calls them Farm A and Farm B. He has 2 347 goats on Farm A. Altogether, there are 5 479 goats on the two farms.

(a) How many goats are there on Farm B?

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(b) Farmer Cele takes 1 234 goats from Farm A to Farm B. How many goats are left on Farm A?

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**4. CONSOLIDATION / CONCLUSION & HOMEWORK (Day 2)**

- a. Tebogo also has R3 787 in her purse. She pays R2 545 for a washing machine.  
How much money does she have left?
- b. Sarah has R4 958. She buys a refrigerator for R2 336. How much money does she have left?

### 1. (Day 5: +/-10 mins): INTRODUCTION

Change the words to write number sentences for the following:

- a) **Add** 5 000 **and** 900. ....
- b) **Take** 500 **from** 8 000 .....  
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- c) **Increase** 360 by 2 100 .....  
.....
- d) **Decrease** 2 700 by 700. ....  
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Calculate the solutions of the problems above.

- a) .....  
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- b) .....  
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- c) .....  
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- d) .....  
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(Day 5: Activity 2 +/- 30 – 40 mins). Problem-solving - Mixed activities.

- Read the problem with understanding by underlining the key words.
- Derive the plan by writing the accurate number sentence.
- Carry out the plan and use any method to solve the problem.
- Reflect by checking whether the solutions were correct or not (inverse operations can be used)

1. Between 10 o'clock and 11 o'clock 2 176 people enter a soccer stadium.  
At 11 o'clock there are 6 573 people in the stadium. How many people were there at 10 o'clock?
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2. There are 4 788 Grade 4 learners in School District A and 3 866 learners in School District B.  
(a) How many more Grade 4 learners are there in District A than in District B?  
(b) How many Grade 4 learners are there in the two districts together?

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3. On five consecutive days a supermarket sold 657, 358, 724, 547 and 622 chickens.  
How many chickens were sold altogether?

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4. A contractor has to build 8 276 flush toilets in a township. He has completed 5 377.  
How many are still outstanding?

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5. An airline charges a fare of R4 480 for a return flight from Johannesburg to Nairobi.  
There are also additional fees and taxes of R3 448. What is the total cost of the air ticket?

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6. Lerato walked 5 683m. In the same period of time; Sipho walked 7 349m. How many further  
than Lerato did Sipho walked?

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## 7. CONSOLIDATION / CONCLUSION & HOMEWORK (Day 5)

- a. Selina uses 3 524 litres of water from a tank to water her small field of maize. If there is then 4 852 litres of water left, how much water was in the tank.
- b. A store sold 8 563 packets of chips during a month. Of these, 2 047 were sold during the last week. How many packets were sold during the first 3 weeks of the month?
- c. William has to lay 8 675 bricks. He laid 2 357 bricks. How many bricks must he still lay?

# MATHEMATICS

## GRADE 4

### TERM 2 - Memorandum

TOPIC: ADDITION AND SUBTRATION 1 Week Covid19 Plan

#### 1. (Day 1: +/-10 mins): INTRODUCTION

Start class with the following questions:

- Refresh your memory (verbally – can expand these numbers:

f.  $1\ 647 = 1\ 000 + 600 + 40 + 7$

g.  $2\ 370 = 2\ 000 + 300 + 70$

h.  $7\ 564 = 7\ 000 + 500 + 60 + 4$

i.  $4\ 976 = 4\ 000 + 900 + 70 + 6$

j.  $4\ 000 + 6\ 000 = 10\ 000$

b.  $6\ 800 + 3\ 200 = 10\ 000$

c.  $5\ 300 + 4\ 700 = 10\ 000$

d.  $10\ 000 - 4\ 000 = 6\ 000$

$$e. 7\,500 - 3\,500 = 4\,000$$

$$g. 4\,287 + 13 = 4\,300$$

$$i. 624 + 8\,624 = 8\,000$$

$$f. 8\,365 - 5\,000 = 3\,365$$

$$h. 3\,063 + 2\,937 = 6\,000$$

## 2. Let's investigate

(b) . Will we get the same answer if start with 4667?

$$3\,000 + 700 + 80 + 5$$

$$4\,667 + 3\,000 = 7\,667$$

$$7\,667 + 700 = 8\,367$$

$$8\,367 + 80 = 8\,447$$

$$8\,447 + 5 = 8\,452$$

## 3. Calculate:

(a)  $1\,212 + 8\,686$

$$8\,000 + 600 + 80 + 8$$

$$1212 + 8\,000 = 9\,212$$

$$9\,212 + 600 = 9\,812$$

$$9\,812 + 80 = 9\,892$$

$$9\,892 + 6 = 9\,898$$

(b)  $5\,421 + 3\,399$

$$3\,000 + 300 + 90 = 9$$

$$5\,421 + 3\,000 = 8\,421$$

$$8\,421 + 300 = 8\,721$$

$$8\,721 + 90 = 8\,811$$

$$8\,811 + 9 = 8\,820$$

(c)  $5\,583 + 3\,489$

$$3\,000 + 400 + 80 + 9$$

$$5\,583 + 3\,000 = 8\,583$$

$$8\,583 + 400 = 8\,983$$

$$8\,983 + 80 = 9\,063$$

$$9\,063 + 9 = 9\,072$$

(d)  $7\,354 + 1\,687$

$$1\,000 + 600 + 80 = 7$$

$$7\,354 + 1\,000 = 8\,354$$

$$8\,354 + 600 = 8\,954$$

$$8\,954 + 80 = 9\,034$$

$$9\,034 + 7 = 9\,041$$

(e)  $\square - 4\,675 = 4\,588$

$$4\,588 + 4\,675$$

$$4\,000 + 600 + 70 + 5$$

$$4\,588 + 4\,000 = 8\,588$$

$$8\,588 + 600 = 9\,188$$

$$9\,188 + 70 = 9\,258$$

$$9\,258 + 5 = 9\,263$$

(f)  $\square - 4\,789 = 2\,334$

$$2\,334 + 4\,789$$

$$4\,000 + 700 + 80 + 9$$

$$2\,334 + 4\,000 = 6\,334$$

$$6\,334 + 700 = 7\,034$$

$$7\,034 + 80 = 7\,114$$

$$7\,114 + 9 = 7\,123$$

**(Day 2 -Activity 2 +/- 40min): Calculating addition: Breaking up both numbers.**

When  $3\,465 + 4\,574$  is calculated, do you think it matters which of 4 000, 500, 70 and 4 is added to 3 465 first and which part is added next?

Complete these calculations to check your answer:

$$(a) \, 3\,465 + 4 \rightarrow 3\,469 + 70 \rightarrow 3\,539 + 500 \rightarrow 4\,039 + 4\,000 = 8\,039$$

$$(b) \, 3\,465 + 70 \rightarrow 3\,535 + 4 \rightarrow 3\,539 + 4\,000 \rightarrow 7\,539 + 500 = 8\,039$$

$$(c) \, 3\,465 + 500 \rightarrow 3\,965 + 4\,000 \rightarrow 7\,965 + 4 \rightarrow 7\,969 + 70 = 8\,039$$

Break all numbers down to calculate the following:

$$(a) \, 4\,478 + 3\,827$$

$$4\,000 + 400 + 70 + 8$$

$$3\,000 + 800 + 20 + 7$$

$$4\,000 + 3\,000 = 7\,000$$

$$400 + 800 = 1\,200$$

$$70 + 20 = 90$$

$$7 + 8 = 15$$

$$7\,000 + 1\,000 + 200 + 90 + 10 + 5$$

$$= 8\,305$$

$$(b) \, 6\,289 + 1\,877$$

$$6\,000 + 200 + 80 + 9$$

$$1\,000 + 800 + 70 + 7$$

$$6\,000 + 1\,000 = 7\,000$$

$$200 + 800 = 1\,000$$

$$80 + 70 = 150$$

$$9 + 7 = 16$$

$$7\,000 + 1\,000 + 100 + 50 + 10 + 6$$

$$= 8\,166$$

$$(c) \, 866 + 967 + 678$$

$$800 + 60 + 6$$

$$900 + 60 + 7$$

$$(d) \, 1\,287 + 991 + 658 + 786$$

$$1\,000 + 200 + 80 + 7$$

$$900 + 90 + 1$$

$$600 + 70 + 8$$

$$600 + 50 + 8$$

$$800 + 900 + 600 = 2\,300$$

$$700 + 80 + 6$$

$$60 + 60 + 70 = 190$$

$$1000$$

$$7 + 8 + 6 = 21$$

$$200 + 900 + 600 + 700 = 2\,400$$

$$2\,300 + 100 + 90 + 20 + 1 = 2\,511$$

$$80 + 90 + 50 + 80 = 300$$

$$7 + 1 + 8 + 6 = 22$$

$$1\,000 + 2000 + 400 + 300 + 20 + 2$$

$$= 3\,722$$

### (Day 3: +/- 10 mins) : INTRODUCTION

- a)  $90 + 10 = 100$
- b)  $85 + 15 = 100$
- c)  $78 + 122 = 200$
- d)  $325 + 25 = 350$
- e)  $312 + 88 = 400$
- f)  $350 + 175 = 525$

Explain how you found the answers. Learner response may differ.

Subtraction, add on method or any other correct response may be accepted.

(Day 3: Activity 2 +/- 30 – 40 mins). Subtraction: Using the breaking up method.

1.

To calculate  $6\,878 - 4\,465$  you can break *both* numbers down into place value parts, work with the parts of the same kind, and then build the answer up.

**Break down:**

$$6\,878 = 6\,000 + 800 + 70 + 8$$

$$4\,465 = 4\,000 + 400 + 60 + 5$$

**Work with the parts:**

$$6\,000 - 4\,000 = 2\,000$$

$$800 - 400 = 400$$

$$70 - 60 = 10$$

$$8 - 5 = 3$$

**Build up the answer:**

$$6\,878 - 4\,465 = 2\,000 + 400 + 10 + 3 = 2\,413$$

The above actions can also be described by using brackets:

$$\begin{aligned} 6\,878 - 4\,465 &= (6\,000 + 800 + 70 + 8) - (4\,000 + 400 + 60 + 5) \\ &= (6\,000 - 4\,000) + (800 - 400) + (70 - 60) + (8 - 5) \\ &= 2\,000 + 400 + 10 + 3 \\ &= 2\,413 \end{aligned}$$

2. Calculate each of the following by breaking both numbers down into place value parts, working with the parts and building the answers up.

(e)  $7\,698 - 2\,354$

$$7\,698 = 7\,000 + 600 + 90 + 8$$

$$2\,354 = 2\,000 + 300 + 50 + 4$$

$$7\,000 - 2\,000 = 5\,000$$

$$600 - 300 = 300$$

$$90 - 50 = 40$$

$$8 - 4 = 4$$

$$= 5\,000 + 300 + 40 + 4$$

$$= 5\,344$$

(f)  $6\,567 - 4\,143$

$$6\,567 = 6\,000 + 500 + 60 + 7$$

$$4\,143 = 4\,000 + 100 + 40 + 3$$

$$6\,000 - 4\,000 = 2\,000$$

$$500 - 100 = 400$$

$$60 - 40 = 20$$

$$7 - 3 = 4$$

$$2\,000 + 400 + 20 + 4 = 2\,424$$

(g)  $6\,559 - 3\,325$

$$6\,559 = 6\,000 + 500 + 50 + 9$$

$$3\,325 = 3\,000 + 300 + 20 + 5$$

$$6\,000 - 3\,000 = 3\,000$$

$$500 - 300 = 200$$

$$50 - 20 = 30$$

$$9 - 5 = 4$$

$$3\,000 + 200 + 30 + 4 = 3\,234$$

(h)  $6\ 552 - 3\ 325$

$$6\ 000 + 500 + 50 + 2$$

$$3\ 000 + 300 + 20 + 5$$

$$6\ 000 - 3\ 000 = 3\ 000$$

$$500 - 300 = 300$$

$$40 - 20 = 20$$

$$12 - 5 = 7$$

$$= 3\ 000 + 300 + 20 + 7$$

$$3\ 227$$

2. Ben has R4 325 and he pays R2 768 rent for his house.  
How much money will he have left?

$$4\ 325 = 4\ 000 + 300 + 20 + 5$$

$$2\ 768 = 2\ 000 + 700 + 60 + 8$$

$$4\ 000 - 2\ 000 = 1\ 000$$

$$1\ 200 - 700 = 500$$

$$110 - 60 = 50$$

$$15 - 8 = 7$$

$$= R1\ 557$$

3. Farmer Cele has two farms. He calls them Farm A and Farm B. He has 2 347 goats on Farm A. Altogether, there are 5 479 goats on the two farms.

- (b) How many goats are there on Farm B?

$$5\ 479 - 2\ 347$$

$$5\ 478 = 5\ 000 + 400 + 70 + 9$$

$$2\ 347 = 2\ 000 + 300 + 40 + 7$$

$$5\ 000 - 2\ 000 = 3\ 000$$

$$400 - 300 = 100$$

$$70 - 40 = 30$$

$$9 - 7 = 2$$

$$= 3\ 132 \text{ goats}$$

- (c) Farmer Cele takes 1 234 goats from Farm A to Farm B.  
How many goats are left on Farm A?

$$2\ 347 - 1\ 234$$

$$2\ 000 + 300 + 40 + 7$$

$$1\ 000 + 200 + 30 + 4$$

$$2\ 000 - 1\ 000 = 1\ 000$$

$$300 - 200 = 100$$

$$40 - 30 = 10$$

$$7 - 4 = 3$$



$$=1113$$

## 2. (Day 5: +/-10 mins): INTRODUCTION

Change the words to write number sentences for the following:

e) **Add** 5 000 **and** 900.  $5\,000 + 900 = 5\,900$

f) **Take** 500 **from** 8 000  $8\,000 - 500 = 7\,500$

g) **Increase** 360 by 2 100  $2\,100 + 360 = 2\,460$

h) **Decrease** 2 700 by 700.  $2\,700 - 700 = 2\,000$

(Day 5 : Activity 2 +/- 30 – 40 mins). Problem-solving Mixed activities.

- a. Between 10 o'clock and 11 o'clock 2 176 people enter a soccer stadium. At 11 o'clock there are 6 573 people in the stadium. How many people were there at 10 o'clock?

$$6\,573 - 2\,176$$

$$6\,573 = 6\,000 + 500 + 70 + 3$$

$$2\,176 = 2\,000 + 100 + 70 + 6$$

$$6\,000 - 2\,000 = 4\,000$$

$$400 - 100 = 300$$

$$160 - 70 = 90$$

$$13 - 6 = 7$$

$$= 4\,397 \text{ people}$$

- b. There are 4 788 Grade 4 learners in School District A and 3 866 learners in School District B.

(a) How many more Grade 4 learners are there in District A than in District B?

(b) How many Grade 4 learners are there in the two districts together?

$$4\,788 - 3\,866$$

$$4\,788 = 4\,000 + 700 + 80 + 8$$

$$3\,866 = 3\,000 + 800 + 60 + 6$$

$$3\,000 - 3\,000 = 0$$

$$1\,700 - 800 = 900$$

$$80 - 60 = 20$$

$$8 - 6 = 2$$

$$= 900 + 20 + 2 \text{ Learners} \quad 922 \text{ learners}$$

Number of learners in the two districts

$$4\,788 + 3\,866$$

$$4\,788 = 4\,000 + 700 + 80 + 8$$

$$3\,866 = 3\,000 + 800 + 60 + 6$$

$$4\,000 + 3\,000 = 7\,000$$

$$700 + 800 = 1\,500$$

$$80 + 60 = 140$$

$$8 + 6 = 14$$

$$= 7\,000 + 1\,500 + 140 + 14$$

$$= 8\,654 \text{ learners}$$

On five consecutive days a supermarket sold 657, 358, 724, 547 and 622 chickens.  
How many chickens were sold altogether?

$$657 + 358 + 724 + 547 + 622$$

$$657 = 600 + 50 + 7$$

$$358 = 300 + 50 + 8$$

$$724 = 700 + 20 + 4$$

$$547 = 500 + 40 + 7$$

$$622 = 600 + 20 + 2$$

$$600 + 300 + 700 + 500 + 600 = 2\,700$$

$$50 + 50 + 20 + 40 + 20 = 180$$

$$7 + 8 + 4 + 7 + 2 = 28$$

$$2\,700 + 180 + 28 = 2\,908 \text{ chickens}$$

A contractor has to build 8 276 flush toilets in a township. He has completed 5 377.  
How many are still outstanding?

$$8\,276 - 5\,377$$

$$8\,276 = 8\,000 + 200 + 70 + 6$$

$$5\,377 = 5\,000 + 300 + 70 + 7$$

$$8\,000 - 5\,000 = 3\,000$$

$$200 - 300 = -100$$

$$70 - 70 = 0$$

$$6 - 7 = -1$$

$$= 3\,000 - 100 - 1$$

$$= 2\,899$$

7. An airline charges a fare of R4 480 for a return flight from Johannesburg to Nairobi.  
There are also additional fees and taxes of R3 448. What is the total cost of the air ticket?

$$R4\ 480 + R3\ 448$$

$$4480 = 4000 + 400 + 80$$

$$3\ 448 = 3000 + 400 + 40 + 8$$

$$4000 + 3000 = 7000$$

$$400 + 400 = 800$$

$$80 + 40 = 120$$

$$+ 8$$

$$= 7000 + 800 + 120 + 8$$

$$= R\ 7928$$

8. Lerato walked 5 683m. In the same period of time; Sipho walked 7 349m. How many m further than Lerato did Sipho walked?

$$7\ 349m - 5\ 683m$$

$$7349 = 7000 + 300 + 40 + 9$$

$$5683 = 5000 + 600 + 80 + 3$$

$$6000 - 5000 = 1000$$

$$1\ 200 - 600 = 600$$

$$140 - 80 = 60$$

$$9 - 3 = 6$$

$$= 1\ 666m$$

#### 4. CONSOLIDATION / CONCLUSION & HOMEWORK - (Day 5)

- a. Selina uses 3 524 litres of water from a tank to water her small field of maize. If there is then 4 852 litres of water left, how much water was in the tank.

$$3\ 524 \text{ litres} + 4852$$

$$3\ 524 = 3000 + 500 + 20 + 4$$

$$4\ 852 = 4000 + 800 + 50 + 2$$

$$3\ 000 + 4\ 000 = 7\ 000$$

$$500 + 800 = 1300$$

$$20 + 50 = 70$$

$$4 + 2 = 6$$

$$= 7000 + 1\ 000 + 300 + 70 + 6$$

$$= 8\ 376 \text{ litres}$$

- b. A store sold 8 563 packets of chips during a month. Of these, 2 047 were sold during the last week. How many packets were sold during the first 3 weeks of the month?

$$8\ 563 - 2\ 047$$

$$8\ 563 = 8\ 000 + 500 + 60 + 3$$

$$2\ 047 = 2\ 000 + 0 + 40 + 7$$

$$8\ 000 - 2\ 000 = 6\ 000$$

$$500 - 0 = 500$$

$$50 - 40 = 10$$

$$13 - 7 = 6$$

$$6\,000 + 500 + 10 + 6 = 6\,516 \text{ packets of chips}$$

- a. William has to lay 8 675 bricks. He laid 2 357 bricks. How many brick must he still lay?

$$8\,675 - 2\,357$$

$$8\,675 = 8\,000 + 600 + 70 + 5$$

$$2\,357 = 2\,000 + 300 + 50 + 7$$

$$8\,000 - 200 = 6\,000$$

$$600 - 300 = 300$$

$$60 - 50 = 10$$

$$15 - 7 = 8$$

$$= 6\,318 \text{ bricks}$$