



# Riverview Reporter



*Champions Inspired by Values*

Term 1 Week 5

From the Head's Desk

15 February 2024

An algorithm can be defined as:

“step-by-step procedures that are carried out routinely”;

“a precisely-defined sequence of rules telling how to produce specified output information from given input information in a finite number of steps”.

Once a pupil has an in-depth understanding of a specific concept, there is a place for learning an algorithm, as this can lead to solutions being found at a faster rate. However, at high school pupils can use calculators, so even then the algorithm is not essential. However, to teach an algorithm without the pupil having a deep sense of what they are doing is very problematic. At Riverview, we use the NumberSense programme for teaching Mathematics. This guides the child through a number of strategies to develop a deep understanding of number. The number range is not large, and the child should be able to do the work mentally. Most importantly, they need to do the work on their own!

To explain further, traditionally children have been instructed to learn the times table from 1 to 12. However, if the child does not understand what multiplication is, then this in itself is not achieving much. The pupil may repeat the correct answer for multiplication problems from 1 to 12, but when asked something else, they tend to say, “We have not done that”. Obviously, this is not academically sound. By using the NumberSense programme a child learns to appreciate what multiplication is and should be able to solve a problem, regardless of number range for any multiplication sum, by demonstrating sound reasoning.

## 1

An example would be 141 multiplied by 8. By Grade 5 a pupil should be able to solve this very quickly in their head as they know the following:

Multiplication is continuous and repetitive addition, 2 is double 1, 4 is double 2, 8 is double 4  
so

141 X 8: 141 doubled is 282, 282 doubled is 564 and 564 doubled is **1128**

## 2

They should be able to find solutions by using the inverse operation. So,  $1200 - 872$  can be solved by using addition:  $872 \text{ plus } 8 = 880$ ,  $880 \text{ plus } 20 = 900$ ,  $900 \text{ plus } 100 = 1000$  and  $1000 \text{ plus } 245 = 1245$ .

So,  $1200 - 872 = 328$

## 3

Addition can be solved by using a breaking up strategy  $245 + 156$ .

$245 + 100 = 345$ ,  $345 + 50 = 395$  and  $395 + 6 = 401$ .

The NumberSense programme, is exciting, it is fun to do and it leads to a strong sense and understanding of numbers. Please avoid teaching your child algorithms (these are only introduced in Grade 7) and rather encourage them to practice using the strategies suggested in the book. There are very sound reasons for doing so. More than anything, never say ‘Maths is hard’, ‘I struggled with Maths at school’ etc. Every child has the ability to do Maths and to enjoy doing it. NumberSense, when implemented correctly, can achieve this!

## Brain Teasers

### Senior Primary

(This is a tough one!!)



### Junior Primary

When does  $9 + 5 = 2$ ?

#### Last weeks answers

##### Junior Primary

If five cats can catch five mice in five minutes, how long will it take one cat to catch one mouse? – **It takes each cat 5 minutes to catch 1 mouse.**

##### Senior Primary

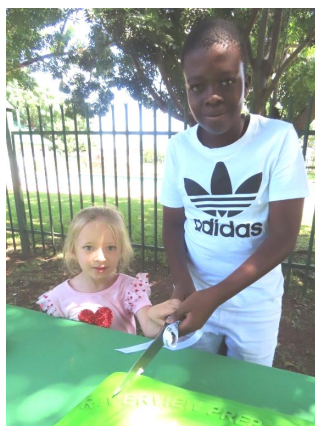
What is the smallest whole number equal to seven times the sum of its digits? **21 because  $(2 + 1) \times 7 = 21$**

Have a great weekend!

*Brendan Bailey*

#### Riverview celebrates 27 years!

On Wednesday, staff and children dressed up in red, white and pink to celebrate the month of friendship as well as Riverview's 27<sup>th</sup> years of existence. Riverview opened its doors to 57 children on 14 February 1997 and today has 187 children that we prepare with life skills for High School. Mr Bailey briefed the school about the history and Grade 7s expressed their thoughts on 27 reasons why they love Riverview before they sang the school song. The oldest pupil in the school, Welcome Madlazi and the youngest pupil in Grade 0, Sage Harris jointly cut the first piece of cake for everyone to enjoy.





## Week ahead:

**Grade 4-7 Standardised Test: 19-23 February - Mathematics.**

Friday 16 February - Sunday 18 February - Grade 7 Camp.

Tuesday 20 February - Penryn College visit to Grade 6 & 7 @ 08h00.

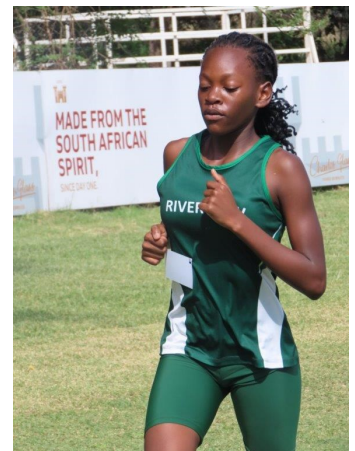
Thursday 22 February - Relay Gala @ Komatipoort.

Saturday 24 February - MJ Zwane Independent Schools Athletics @ Uplands.



## From the Sport's Desk

It was lovely to attend the athletics at Skukuza after it was cancelled last year due to the floods. Our families are fortunate to combine a KNP game drive with the athletics. This year the school bus was lucky enough to see a leopard close to the entry gate. Riverview, Uplands, Skukuza and Penryn attended the well organized event and we were all fortunate with the overcast weather conditions.



## Grade 6 Maths

This week the Grade 6 pupils had fun in the Maths classroom as they used toothpicks to find patterns and relationships between the amount of toothpicks and the picture number.



## Grade 7 Classroom

The Grade 7 pupils installed a brand new carpet in the Natural Science classroom. They worked as a team to create a space where they can read and build puzzles and take time out when they need to. Thank you Grade 7s!





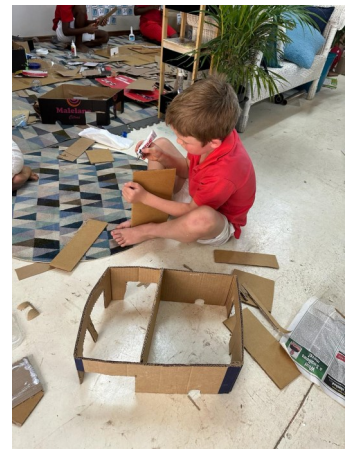
## Woodwork Club

I am excited to offer a little woodwork club for the Senior Primary children next term. I am looking for any donations of wood, wood pieces and cut-offs. Any tools and equipment like, little saws, jigsaw, wood glue, screws, screwdrivers etc. will be very welcome. Please contact Mrs Johnson on 0825538847 if you are able to assist.



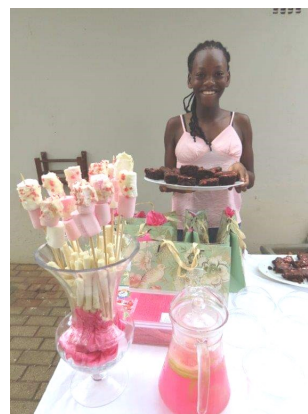
## Grade 3 Life Skills

We have discussed the lay-out of the classrooms and the buildings on our school premises. We have drawn a Birdseye view of the school, and now the construction of a 3-D model is in progress. The children had to collect and bring recyclable materials to build their model.



## Grade 7 Market Day

Grade 7s used the opportunity of friendship month to have a Market Day as part of their fundraiser. Delicious home baked cakes and treats were for sale as well as bath salts made from essential oils, milkshakes and gift bags to purchase for loved one. The bubble ice tea and the 'shoot the cups' were the most popular. Giving a Grade 7 a cream face if you shot all the cups down was the highlight of the market. Thank you for supporting the successful fundraiser.



## Chess

Congratulations to Sebastian Damm who came 2<sup>nd</sup> in the Penryn Chess Tournament held on Saturday.

He managed to win his first four games and narrowly lost against the number 1 seed.

We are very proud of our chess champ!

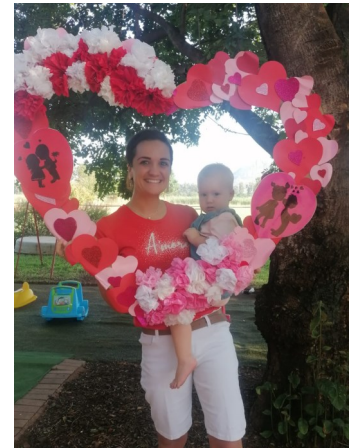






## Pre-Primary News

Riverview's birthday was celebrated with much joy and laughter in the Pre-Primary. The children dressed in their favourite Valentine colours and were not shy to pose for photos. To round off the day, everyone had a slice of delicious birthday cake. A special celebration to remember... It was filled with love for one another and our precious school.



"Where two or three come together in My name, there I am with them."

Matthew 18:20 NIV



Moms in Touch would like to invite you to join us to pray for our children and our wonderful school. Tuesday mornings under the school trees. God works through praying Mothers. Covering your children in prayer, will help give you peace for every aspect of their lives!

If you would like to join or if you have any prayer requests you can contact Liziwe on 082 480 3138.

*When we try, we fail. When we trust, He succeeds.*

*Corrie Ten Boom.*

# What is a Ons Winkel?

Written by Miss. Marné Du Plessis

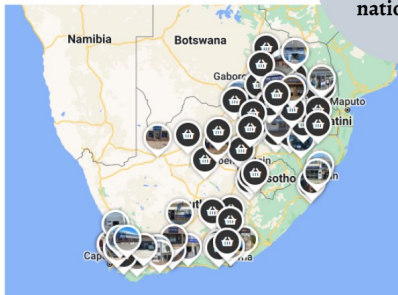
Solidarity Helping Hand has a network of charity thrift shops, known as Ons Winkel.

Ons Winkel is the hub where members of the public can donate and purchase various items.

We must ensure that well-intentioned donations are not misused. For this reason, we sell these donations and, in turn, indirectly and responsibly reach out to the community in need.

We sell these donations because even though your L-size sweater might not fit a seven-year-old, nor will it cater for his/her food needs, the cash can provide for his/her needs.

"We currently have more than 118 stores nationwide"



[www.ONSWINKEL.co.za](http://www.ONSWINKEL.co.za)



Ons Winkel Bloemgate, Bloemfontein.



Items for big and small at every Ons Winkel.  
Pictures: MARNE DU PLESSIS

A part of the profit from the goes toward study funds, which create study opportunities for students who otherwise would not have had the opportunity to go on to study further. Not only do we contribute to study funds, but we also create jobs for the employees who work in the stores.

We currently have more than 118 stores nationwide where you can donate your precious goods and become part of the change. In doing this, you create hope for a better future.