

# SFCC K-4 NUMERACY INFORMATION EVENING

**Wednesday 27th March 2019**

# PRAYER



Almighty God,

We pray to you:

...to have our joys **added**

...sorrows **subtracted**

...friends **multiplied**

...love **divided**

...and **problems solved**

May this evening result in many benefits  
for the children on whose behalf we gather.

**Leader:** Blessed Edmund

*All: Pray for us.*

**Leader:** St Francis

*All: Pray for us.*

**Leader:** May Jesus live in our hearts

*All: Forever.*

# NUMERACY VS. MATHEMATICS

# NUMERACY IN K-4

Concrete



Pictorial

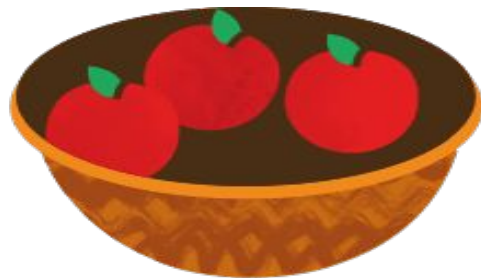


Abstract

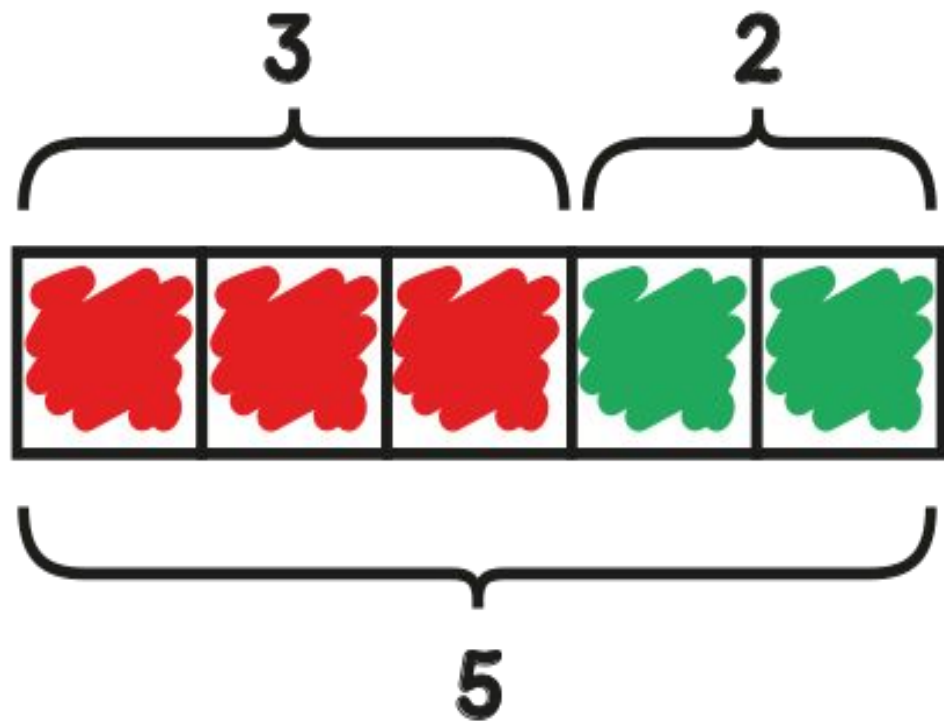
# CONCRETE



# PICTORIAL



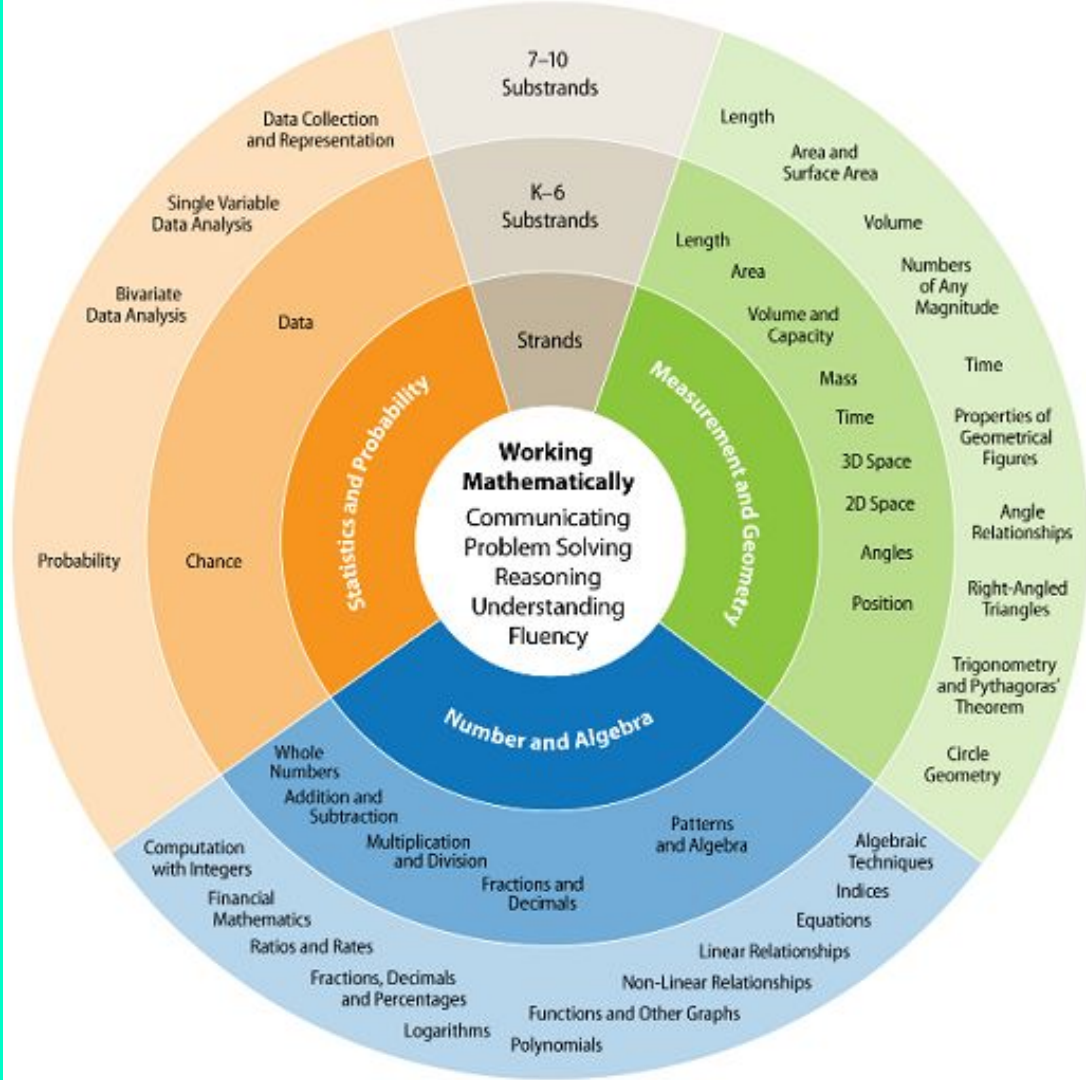
ABSTRACT



$$3 + 2 = \boxed{5}$$



WORKING MATHEMATICALLY



# WORKING MATHEMATICALLY

Provides students with the opportunity to engage in **genuine mathematical activity** and develop the skills to become **flexible** and **creative users** of Mathematics.

IT IS THE THINKING  
AND DOING OF  
MATHEMATICS

# COMMUNICATING

Use a variety of ways to express their ideas

E.g. written, oral, graphical

Describe ... Represent ... Explain ... their thinking!

# PROBLEM SOLVING

Ability to make choices, interpret, model and investigate  
problem situations

Apply strategies ... verify that their answers are reasonable!

# REASONING

Explain their thinking ...

Give reasons why they have chosen particular strategies.

Transfer learning from one situation to another!

# UNDERSTANDING

Make connections between concepts ...

Build a strong foundation that enables them to adapt and  
transfer mathematical concepts



# FLUENCY

Carry out procedures flexibly, accurately, efficiently and  
appropriately

Recalling factual knowledge and concepts readily

# SO WHY ARE WE TELLING YOU THIS ...

Maths is so much more than doing a sum or completing an algorithm!

Maths looks so different to what you experienced in school.

Encourage the real-world applications of Maths concepts.

Develop the Working Mathematical skills ... will get them further in life.

# WORKSHOPS

Kindergarten – Miss Small – Hall

Year 1 – Miss Morgan and Mrs Vella – 3 Blue Classroom

Year 2 – Miss Iordanou and Miss Laidlaw – 3 Green Classroom

Stage 2 – Year 3 and 4 – Mrs Jeymour – 4 Green Classroom