

Numeracy at Girvan Academy

What is Numeracy?

Why is Numeracy important to your child?

What do we do, at Girvan Academy, to help your child develop their numeracy skills?

What can you do to help your child develop their numeracy skills?

Numeracy Challenge

What is Numeracy?

Numeracy is the ability to understand, reason with and apply numerical concepts.

To be Numerate your child should be able to:

- 1) Confidently perform calculations involving:
 - Number and Number Processes
 - Estimating and Rounding
 - Fractions, Decimal Fractions and Percentages
 - Money
 - Time
 - Measurement
 - Data Analysis
 - Ideas of Chance and Uncertainty

- 2) Answer real life problems by:
 - Analysing the problem,
 - selecting a suitable strategy,
 - correctly performing a calculation,
 - evaluating the feasibility of the answer.

Why is Numeracy important to your child?

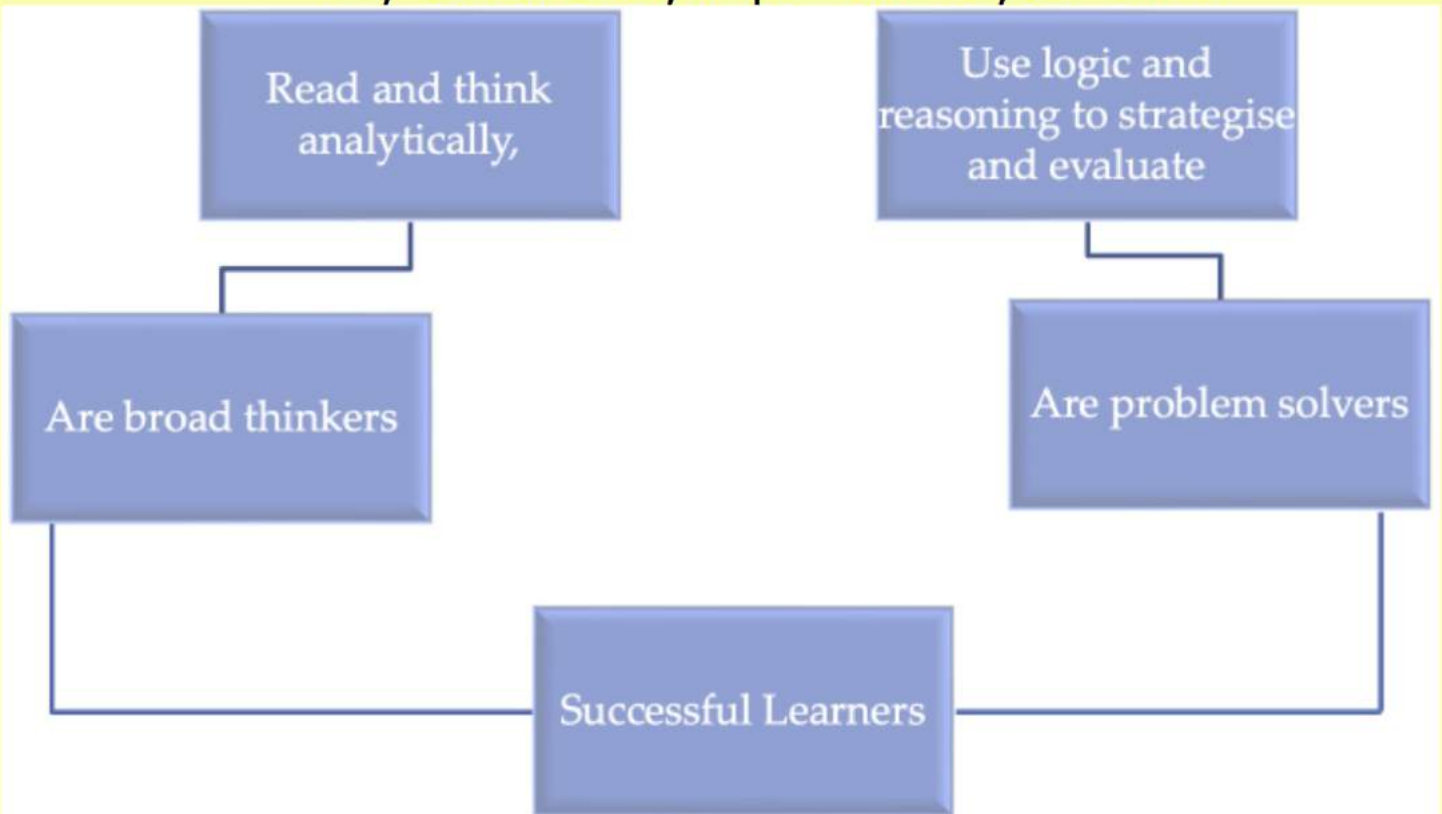
"In our exceedingly technical world, numeracy skills, in particular the ability to interpret data, are becoming increasingly more significant and are hugely sought after by employers."

"Numeracy is important for individuals to develop logical thinking and reasoning strategies in their everyday activities. We need numeracy to solve problems and make sense of numbers, time, patterns and shapes for activities like cooking, reading receipts, reading instructions and even playing sport."

"Numeracy is necessary for everyday living. From daily activities like telling the time, cooking and setting the table to more difficult tasks such as understanding mobile phone plans, planning a trip, reading a map and understanding timetables."

Academic Success... Numeracy develops:
logical thinking, analytical reading, resilience, self-reliance, ...
All skills that are used across a wide range of subjects!

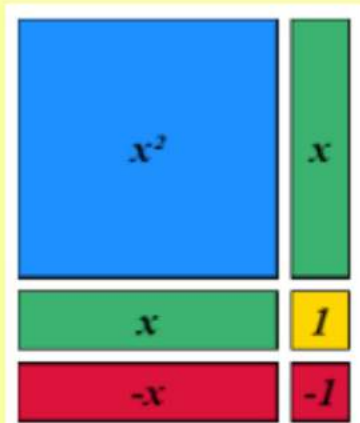
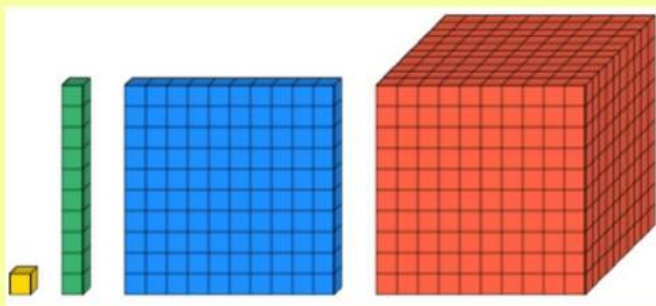
Why is Numeracy important to your child?



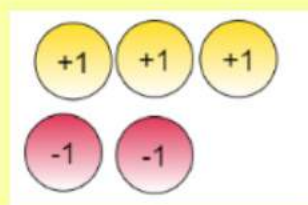
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What do we do, at Girvan Academy, to help your child develop their numeracy skills?

Use a wide range of resources to support and challenge your child



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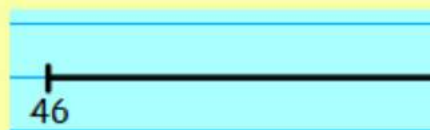
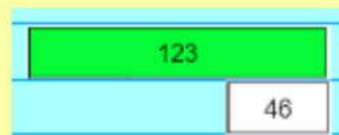
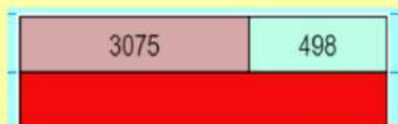


What do we do, at Girvan Academy, to help your child develop their numeracy skills?

Use a variety of approaches so that your child can find a method that works for them

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What do we do, at Girvan Academy, to help your child develop their numeracy skills?

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$$\begin{array}{r} \text{(a) } 23023 \div 7 \\ \hline 7 \overline{) 23023} \end{array}$$

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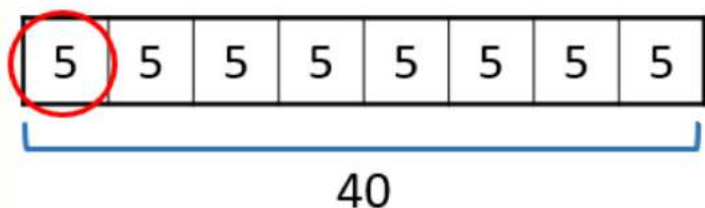
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What do we do, at Girvan Academy, to help your child develop their numeracy skills?

Use a variety of approaches so that your child can find a method that works for them

Find $\frac{1}{8}$ of 40.



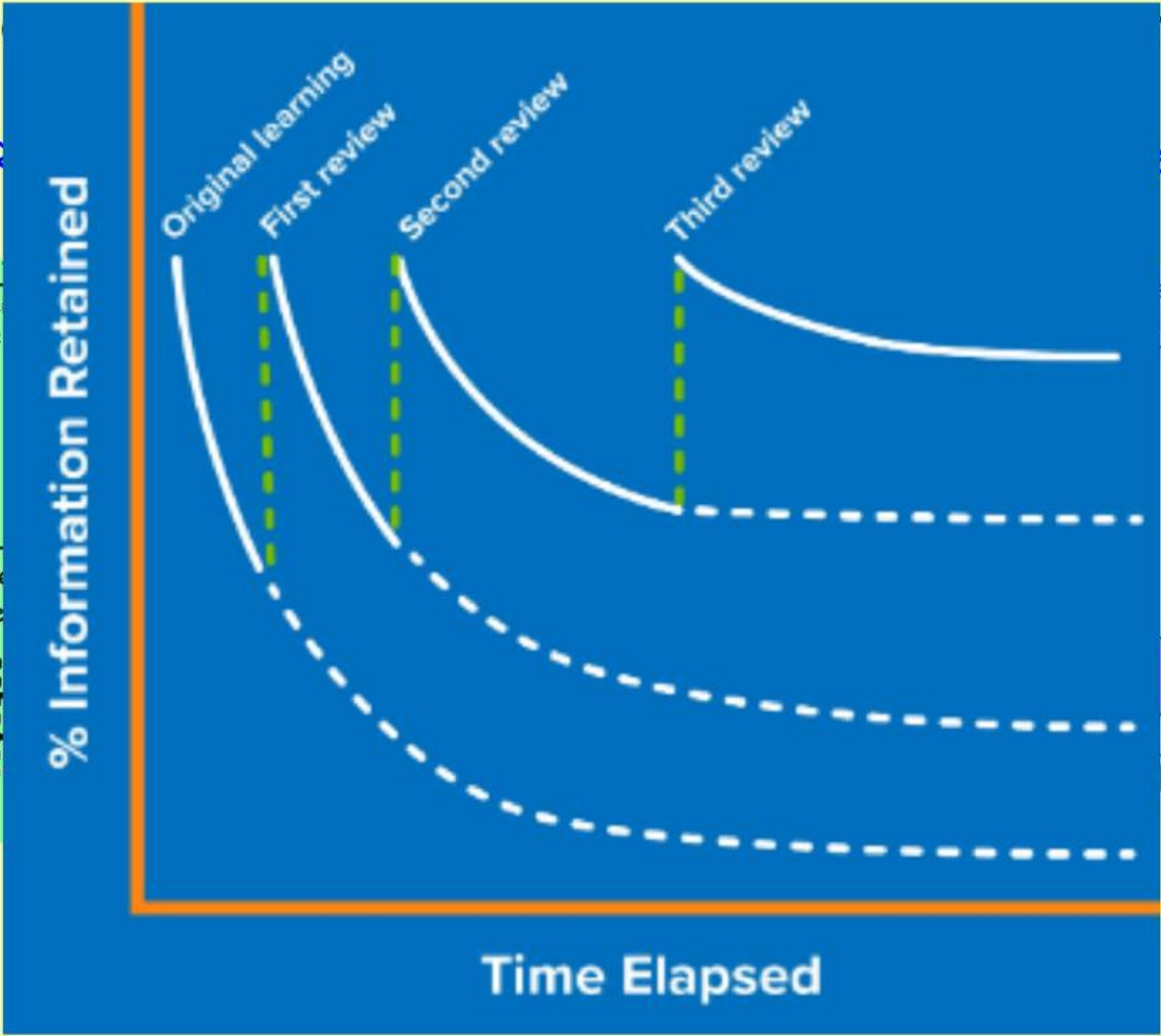
A bar model to find $\frac{2}{5}$ of 20.

20



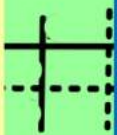
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Calculate:

Using the
calculate



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[3]

Check

What do we do, at Girvan Academy, to help your child develop their numeracy skills?

Regular practice of key skills in class and through targetted homework tasks.

Starter Task

Remember your BIDMAS ordering.
Calculate:

$$(3 + 2)^2 \times (7 - 5)$$

Complete the factor tree for 36



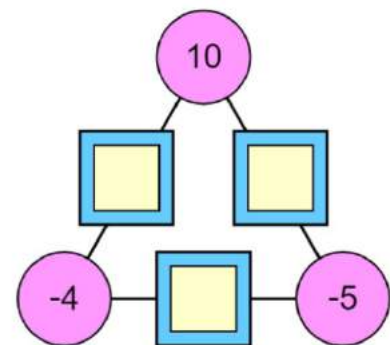
36 =

Using the grid/area method,
calculate 157×39



Senga wins £2856 at the bingo.
She decides to split the money
equally between her 8 grand
children.
How much will each person get?

1 The numbers in the pink circles multiply to make the numbers in between. Complete the diagram.



[3]

Reset

Check

What do we do, at Girvan Academy, to help your child develop their numeracy skills?

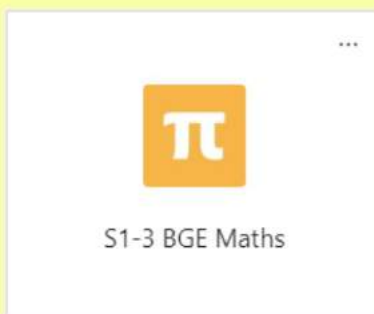
Extra period of numeracy in S1 to give extra support with key skills early on.

N U M E R A C Y
N I N J A S



What do we do, at Girvan Academy, to help your child develop their numeracy skills?

Resources for additional practice available online



Topic Revision booklets
Revision SWAYs before assessments
Notes from class.



Welcome To

MathsPad

Search Resources...



Maths Workout

What do we do, at Girvan Academy, to help your child develop their numeracy skills?

Enjoyable events throughout the year to celebrate success and boost enjoyment.

Monthly Numeracy Challenge

Relay Races

Pi Day

Treasure Hunts

Maths Week Scotland

What can you do to help your child develop their numeracy skills?



KEY DOCUMENTS

See the latest important documents for parents



Numeracy Guide

[Click to download.](#)

- Encouragement
- Competition e.g. Timestables
- Challenge them e.g. keeping a running total of the shopping.
- Games:
 - Board Games
 - Card Games
 - Dice Games
 - Memory Games

Dice Games to Help Your Child with Numeracy

Darts Dice

Requires: 3 dice and pen/paper

Each player begins with 301. Players take turns to roll 3 dice and multiply the 3 numbers together. As with darts, subtract the total from 301 and the player first to zero or less is the winner. If a mistake is made then that shot doesn't count.

Play until someone wins 3 games.

Numeracy Challenge

Given that

$$\frac{2}{3} \text{ of } \star = \frac{2}{5} \text{ of } \blacklozenge \quad \text{and} \quad \blacklozenge - \star = 48$$

Find the value of each symbol.

