

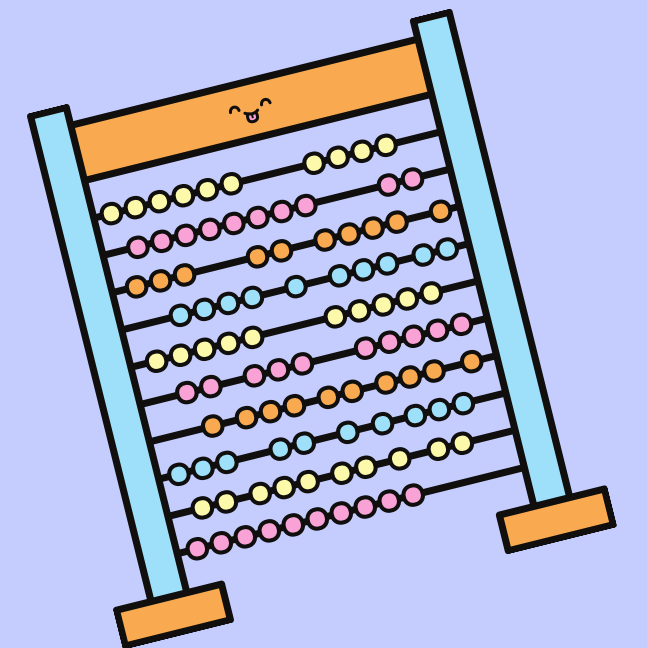
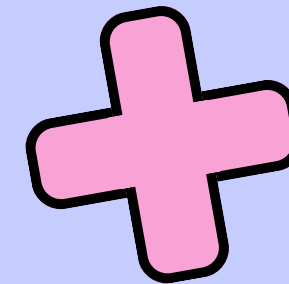
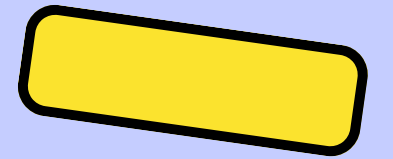
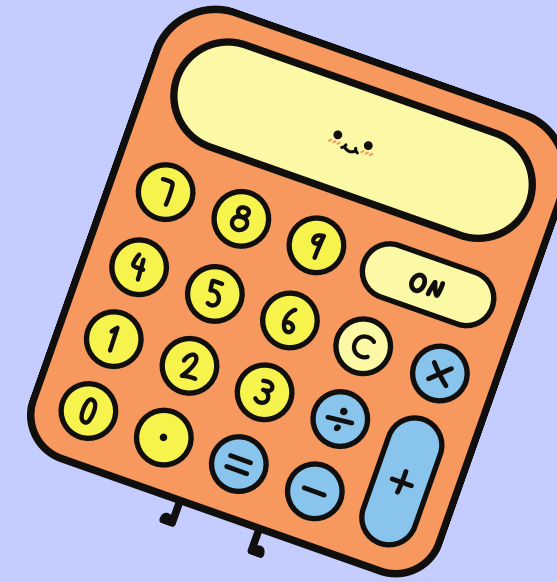
The background is light blue and decorated with various math-related items: a green measuring tape at the top left, a yellow ruler at the top right, a pink calculator at the bottom left, and a blue abacus at the bottom right. Large, colorful numbers (0-9) are scattered around the central text box. The numbers 4, 5, and 6 are at the top; 0, 1, 2, and 3 are on the sides; and 7, 8, and 9 are at the bottom.

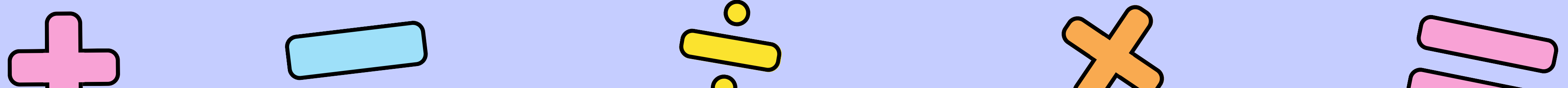
# Mathematics and Problem Solving

Parent Workshop - 17th June 2025  
Miss Tregembo

# Aim of the workshop

- Brief overview of the Mathematics Curriculum in Wales.
- Concrete – Visual – Abstract Approach.
- Problem Solving and Independence.
- Online Learning/Homework: Demos and Access.



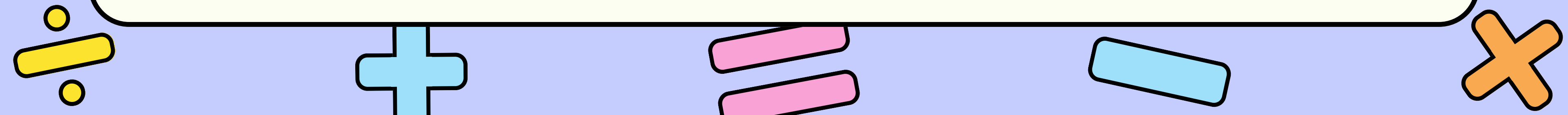


# The Mathematics Curriculum in Wales

At Christchurch we focus on:

- Developing understanding, not just getting the answer.
- Emphasis on real-life maths and skills for life.

Key strands:

- Number
  - Geometry
  - Measure
  - Data and Probability
  - Algebra (upper KS2)
- 

# What is Concrete, Visual and Abstract

Concrete – Visual – Abstract helps all learners build deep understanding:

- Concrete: Hands-on materials (cubes, counters, money)
- Visual: Diagrams, number lines, bar models
- Abstract: Written symbols (e.g.  $3 + 5 = 8$ )



🧠 Why it matters: Moves children from “doing maths” to understanding maths.

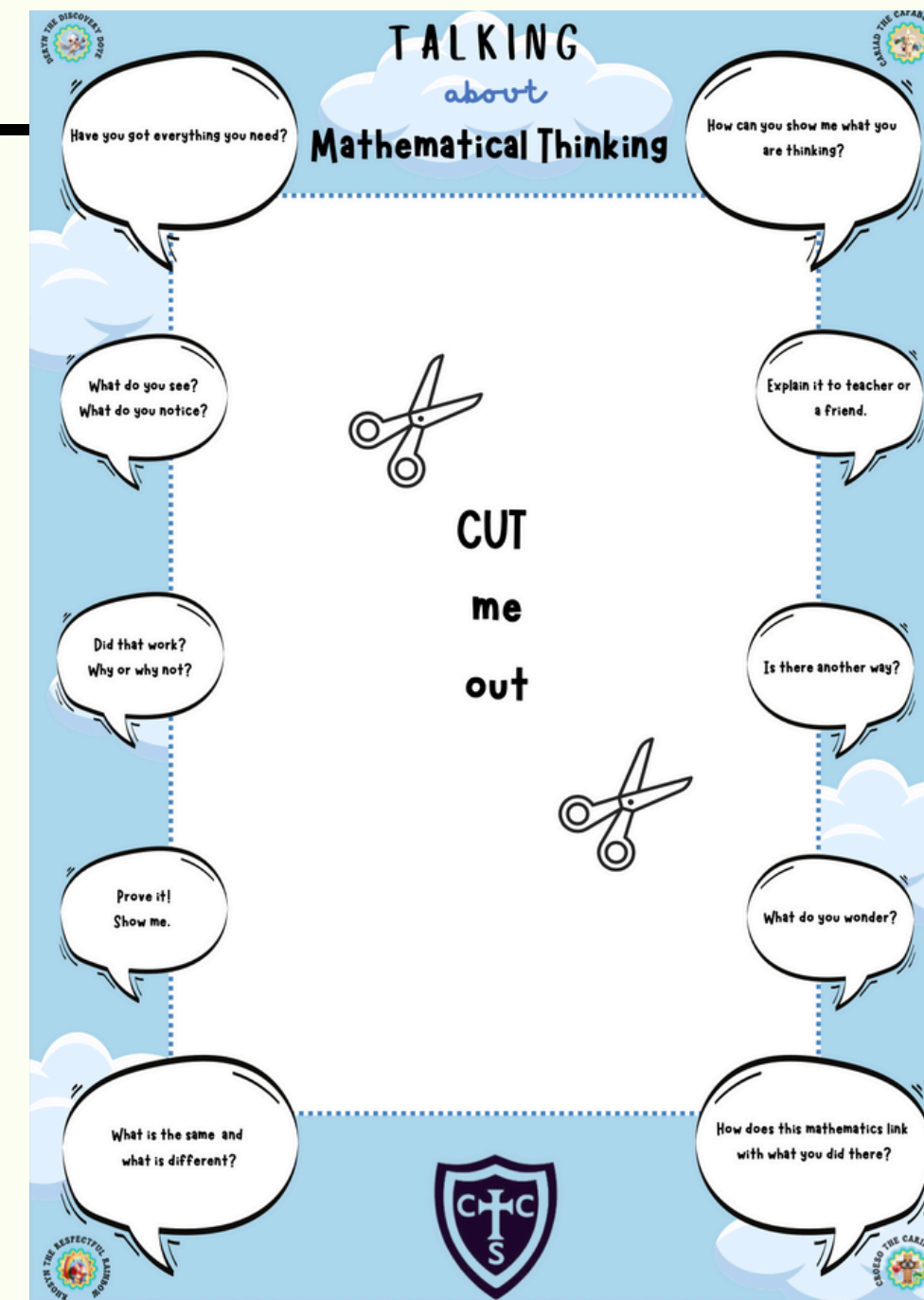
# Problem Solving & Independent Learning

We encourage:

- Three before me. (Think, Ask, ...)
- Trying different strategies (Developing independence)
- Explaining thinking (Think out loud)
- Learning from mistakes (Becoming resilient learners)

At home, ask:

- “How did you solve it?”
- “Can you explain it another way?”
- “What else could you try?”



# Problem Solving

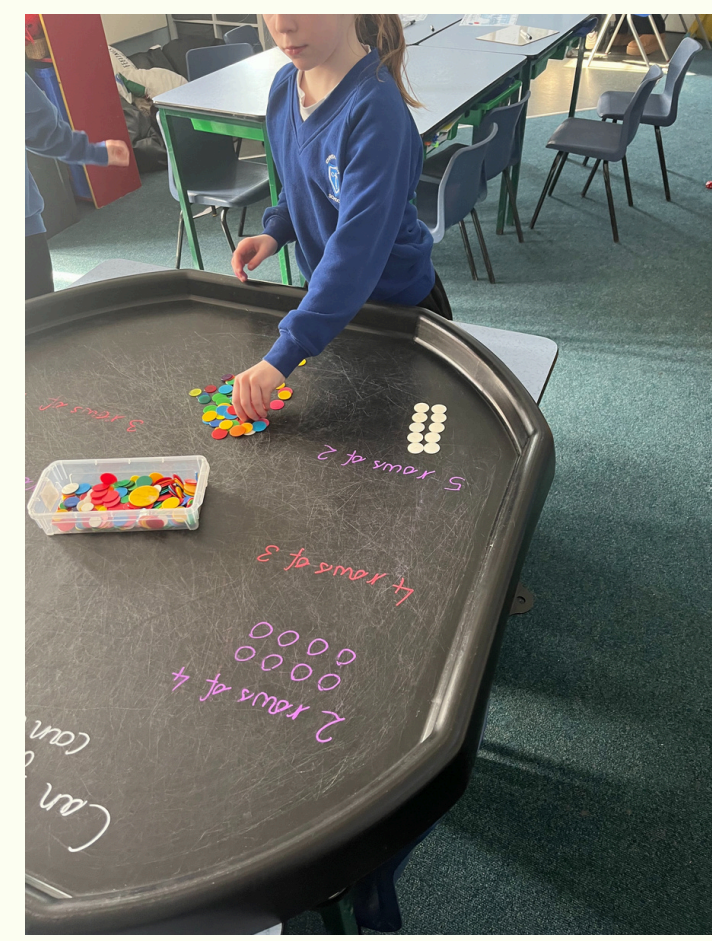
## Maths Problem Solving – Odd & Even



We have been using our self help station to find resources that we can need to help us solve maths problems.

What do you need?

What do you already know?



## Problem Solving- Miss Tregembo's Party Problems!



### Must

Miss Tregembo has 24 cupcakes to share equally between 3 plates for Rose's party.

How many cakes will go on each plate?



### Should

There are 8 children coming to the party (including Rose). They are all going to the cinema.

How many cars will they need to take them there?  
Each car can take 4 children and a driver



### E.B.I

Rose is going to give everyone some chocolate eggs to take home at the end of the party. They fit into egg boxes which hold 6 eggs each. Will 50 eggs be enough for each of the 8 party guests to have a box of eggs?



# Let's have a go!

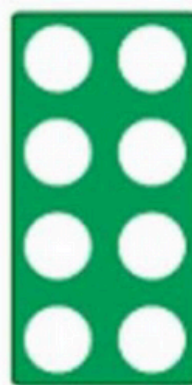
Sum up!



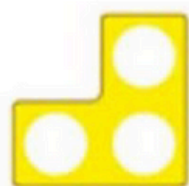
2



4



8



3



Using only these numbers

Can you make these totals?

9

10

11

12

13

14

15

Can you make any other totals?

# Let's have a go!

## Cube Nets

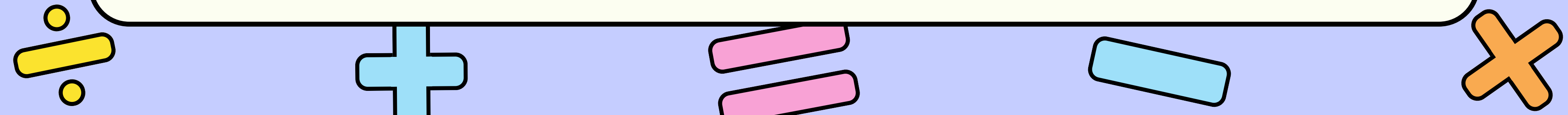


A net is a two-dimensional figure that can be folded into a three-dimensional object. Which of the nets below will form a cube?






# Helping Your Child – What Works

- Talk about maths in daily life (shopping, cooking, time)
  - Play games (dice, cards, apps)
  - Be positive – even if you didn't like maths at school!
  - Let them explain – they teach you.
- 

# Online Learning/Homework

TT rockstars - <https://ttrackstars.com>

Mymaths - <https://www.mymaths.co.uk>

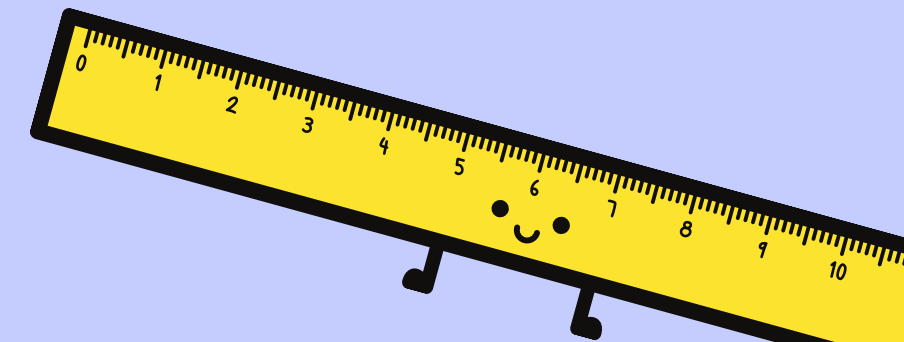
Giglet- <https://giglets.com>

Spelling - <https://hwb.gov.wales>

4

5

6



Thank You!

Together we can build confident,  
independent learners in maths!

 Any final questions or  
comments?

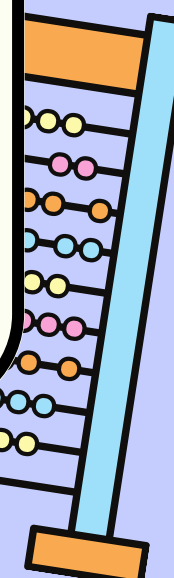
Please can the QR code and  
complete a short questionnaire.

Parent Workshop Evaluation -  
Maths Workshop 17.6.25



2

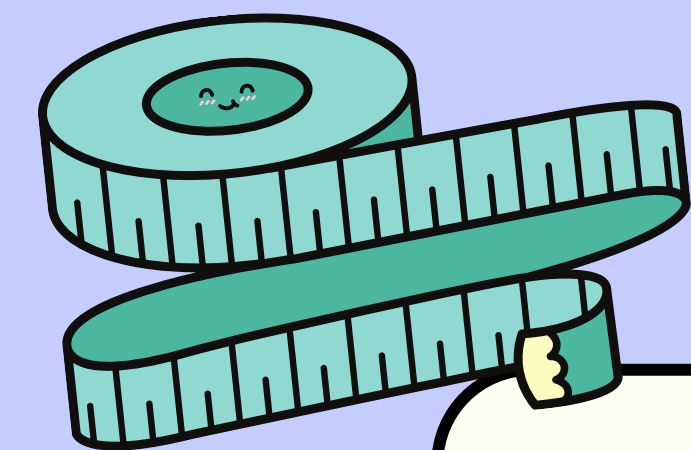
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9

7

8



0

1

