



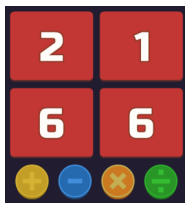
## Maths Newsletter

Welcome back to our Maths Newsletter! This half-term has been an action packed half-term of maths!

### Year 5 Maths Challenge



A group of our Year 5s joined our Catholic cluster of primaries at Fishermore for an inter school maths challenge. Well done to the pupils for rising to the challenges!



Can you solve one of the challenges they faced:

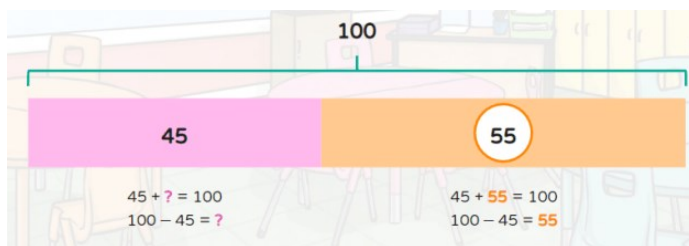
Make 24 using these four numbers and any calculation:



### Representation— Bar Modelling

Each Newsletter, we will be showcasing a representation we use in class to support learning. This time—**bar modelling**.

The bar model method is pictorial, and develops from children handling actual objects to drawing boxes, each of which represents an individual unit e.g.



If you would like so more information, visit—<https://www.theschoolrun.com/what-bar-model-method>

### TTRS Leader Board

| Rank | Name      | Rockname       | Initial Studio Speed | 🕒 |
|------|-----------|----------------|----------------------|---|
| 1    | Sebastian | Flo Stemple    | 8.33                 |   |
| 2    | Gabriel   | Gabe Pike      | 10.17                |   |
| 3    | Lucas     | Andrew Meek    | 8.11                 |   |
| 4    | Robbie    | Rookie Brannon | 7.23                 |   |
| 5    | Oliwer    | Piper Black    | 30.00                |   |

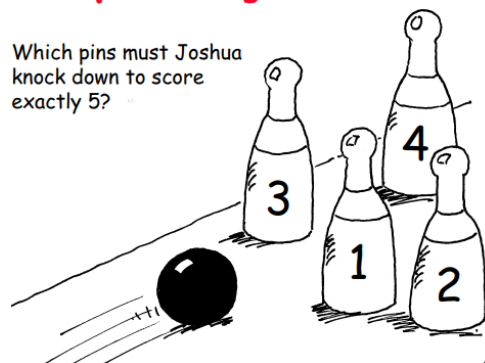
Make sure to keep practising on TTRS to see if you can become a ROCK LEGEND!

### Maths Challenges

Have a go at these challenges—the answer is on the next page (but no peeking!)

#### Four-pin bowling

Which pins must Joshua knock down to score exactly 5?



Find 2 different ways:

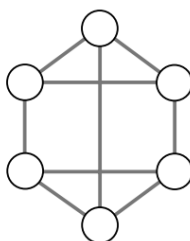
- to score 5
- to score 6
- to score 7

### KS2 Challenge: Neighbours

Use each of the numbers 1 to 6 once. Write one in each circle.

Numbers next to each other must not be joined. For example, 3 must not be joined to 2 or 4.

1 2 3 4 5 6



# Inspirational Mathematician

## Dame Mary Lucy Cartwright

**What she did:** Mary Cartwright was a British mathematician and a woman of many firsts! She was not only the first woman to obtain a first in her university degree, but also one of the first mathematicians to study what is now known as chaos theory. She was the first woman to receive the Sylvester Medal (awarded for the encouragement of mathematical research), the first woman to be President of the Mathematical Association and the first woman to be President of the London Mathematical Society.

**Mary's impact:** Thanks to her bravery in daring to defy the status quo, her work has gone on to strongly influence the modern theory of dynamical systems, and she even has a mathematical theorem named after her!

<https://thirdspacelearning.com/blog/famous-female-mathematicians/>

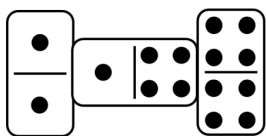


## EYFS activity to try at home

Play dominoes with a friend.

The first player begins the game by placing down a double.

What is the double?



Take turns to place a domino down.

Remember to rotate the domino piece when you play a double.

## Times Table Tips

\*Display a Times Table chart at home

\*Teach them tricks e.g. using their fingers for 9

\*Practise calling them out on the way to school

\*Listen to songs on Youtube

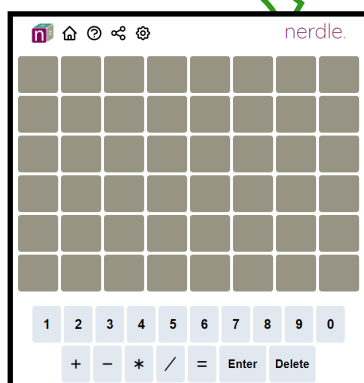
\*Use Times Table Rockstars

## Maths App!

**Recommended by Mrs Ellison**

Have you been enjoying the Wordle craze? There is now a Maths version called **Nerdle** to keep you/ your child's brain ticking over—

<https://nerdlegame.com/>



## Maths Challenge Answers:

### 1 Four-pin bowling

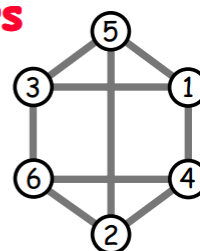
Score 5 by knocking down 1 and 4, or 2 and 3.

Score 6 by knocking down 2 and 4, or 1, 2 and 3.

Score 7 by knocking down 3 and 4, or 1, 2 and 4.

### 33 Neighbours

Here is one possible solution.



Can you find others?