Maths Homework Grid (Y2)

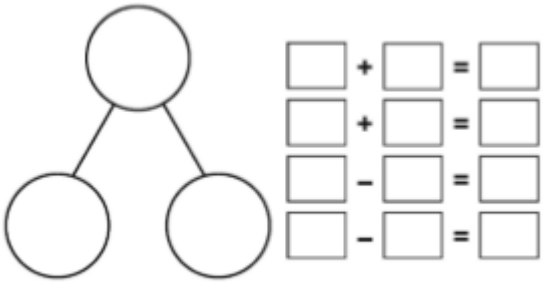
Practise your number facts, play a maths game and choose one other thing to work on each day. The video links are there to help you understand the activities.

Number facts Split your school telephone number into single digits. How many two-digit numbers can you make? Can you order them from smallest to largest? Pick 2 of the two-digit numbers and add them together. What strategies did you use? Partitioning? Number line? Repeat 3 times. Can you pick 2 two-digit numbers that would add to make 100? If not how close can you get to 100? Pick 2 two-digit numbers and subtract the smallest from the largest. What strategies did you use? Partitioning? Number line? Repeat 3 times. Can you pick 2 two-digit numbers that when you subtract the smallest from the largest you get an answer between 40 and 50?	**Counting in 2's, 5's and 10's** Buy a Smartie tube or a pack of multi-coloured sweets. Count how many smarties are in the tube. If it's an odd number eat one! Can you count the smarties in 2s or 5s? Which colour is the most popular? What is the difference between the most popular and the least popular colour? Can you draw a pictogram to show how many smarties are in your tube? https://ttrockstars.com/ https://www.topmarks.co.uk/maths-games/hit-the-button
Maths Games Choose a maths game to play each day. Have a go at inventing your own maths game. Link to a blog on maths games: https://matr.org/blog/fun-maths-games-activities-for-kids/	**Measures** Make a fruit cocktail at home that is 100ml in total. What ingredients are you putting into the cocktail? Record your recipe using the correct units of measure. How did it taste? Would you change the amounts of each ingredient to improve it? https://www.everyschool.co.uk/maths-key-stage-1-measurement.html
Statistics Choose a question to ask your family and friends e.g. What is your favourite sport? How are you going to collect the information? Contact at least 10 people and then decide how you are going to record your results. You can make a table or a graph or both! https://www.topmarks.co.uk/maths-games/5-7-years/data-handling	**Multiplication** In a toy box there are lorries with 10 wheels, bikes with 2 wheels and trolleys with 5 wheels. If I can see 45 wheels, what could be in the toy box? Is there more than one answer? Can you use your multiplication facts to help you?

Length Can you find something in your house that measures exactly 1 metre? How many metres long do you think your bedroom is? Check it to see how close you were. Now try another room, were you closer this time? How many objects in your house can you find that are greater than 1 metre but smaller than 1 metre and 50cms? http://www.maths-games.org/measurement-games.html	**Nrich problem** Solve Magic Plant on Nrich https://nrich.maths.org/145 Can you draw the plant each day to help you solve the problem?
2D shapes and symmetry Create a poster about 2D shapes. Can you draw them accurately and label the parts of the shape? Which shapes have lines of symmetry? How many lines of symmetry? https://www.topmarks.co.uk/symmetry/symmetry-matching	**Money** I have 50p in my purse. What coins could I have in my purse? Can you work in a system to find them all? If I only have silver coins in my purse, what could they be? How many possibilities can you find? https://www.topmarks.co.uk/maths-games/7-11-years/money
10 more, 10 less Make a 2-digit number by throwing a dice twice. What is 10 more than your number? 20 more? 30 more? Can you record your results in a table? Repeat 5 times. What patterns are you noticing? Can you explain what is happening in the pattern? Now try finding 10 less than your number, 20 less, 30 less. What do you notice? https://www.topmarks.co.uk/Flash.aspx?f=bingomoreorless	**Time (o'clock, half past, quarter past and quarter to)** Complete a diary of what you have done during the day. Think about the time you started/ finished. Can you record the times on a clock face?  https://www.topmarks.co.uk/Search.aspx?q=telling+time https://www.everyschool.co.uk/maths-key-stage-1-tell-the-time.html

Making a 2 digit number

Make a 2-digit number by rolling a dice twice. How many ways can you partition the number? Use a part-part-whole model to record each result.



Can you record any mathematical statements about your part-part-whole models?

2D and 3D Shapes

Can you make a model with 3D shapes? What shapes have you used? What is the same and what is different about the shapes you have used? Draw/ take a picture of your model and label the shapes and their properties. Remember to use the correct vocabulary when describing the shapes.

When we talk about 3D shapes, we talk about **faces**, **edges** and **vertices**.

The **faces** are the **flat parts of the shape**.

The **edges** are the **lines where two faces meet**.

The **vertices** are the **points where two or more edges meet.**

For example, this 3D shape has 6 faces, 12 edges and 8 vertices:

https://www.bbc.co.uk/bitesize/topics/zjv39j6