

## Year 4 Homework Grid – Spring 1 Term 2026

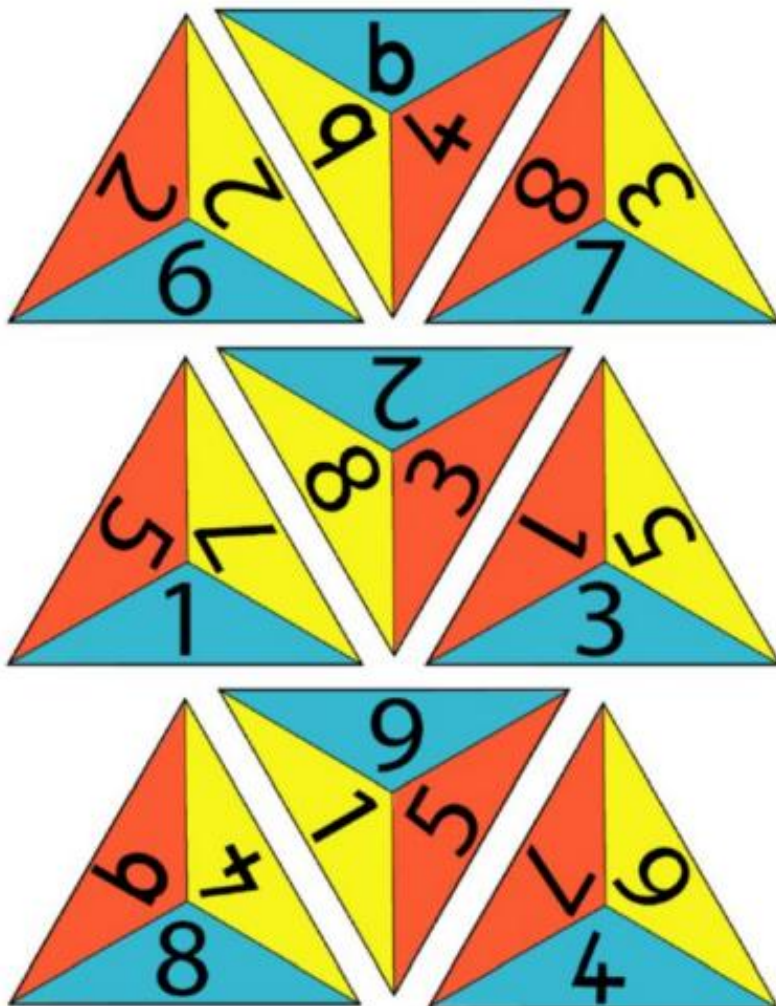
Homework is due on a Monday. If you would like some resources or ideas to help with your projects, please let your class teacher know. You only need to do one of every week.

<p><b>1)</b> Research a famous <b>London</b> tourist attraction. Write a persuasive letter to your teacher about why we should take a school trip there.</p>	<p><b>3)</b> One Big Triangle – maths challenge</p>	<p><b>5)</b> You are the new Mayor of <b>London</b>. You have been asked to design a new tourist attraction. Include a picture and a description.</p>	<p><b>9)</b> Number Balance – maths challenge</p>	<p><b>7)</b> London is famous for its many bridges. You have been asked to design a new one as <b>London Bridge</b> has fallen! Draw a labelled diagram.</p>	<p><b>11)</b> Make an end of term quiz about <b>London</b>. Remember to include some easy and some tricky questions!</p>
<p><b>2)</b> Make an <b>A to Z of London</b>. Try to find a place name for each letter of the alphabet.</p>	<p><b>4)</b> Make a poster showing a <b>Famous London Tourist Attraction</b>. Remember to label it with extra information.</p>	<p><b>6)</b> Strike it Out - maths challenge</p>	<p><b>8)</b> Make a list of 10 questions you would like to ask a person from <b>London</b> about living there. Remember to include the correct punctuation.</p>	<p><b>10)</b> Create a fact file about the different ways people can travel around London.</p>	<p><b>12)</b> Sitting Round the Party Tables – maths challenge</p>



## One Big Triangle

Here are nine triangles. Each one has three numbers on it.



Your challenge is to arrange these triangles to make one big triangle, so the numbers that touch add up to 10.

Once you've finished making the big triangle, think about these questions:  
How did you get started?  
What did you do next?

## Strike it Out

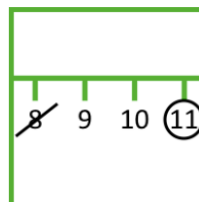


This game starts with a 0 to 20 number line.

Player 1 picks two numbers, crosses them out and circles either their sum or their difference. The crossed out numbers can't be used again.

Player 2 crosses out the circled number and another number, and again circles either their sum or their difference.

The winner is the person who stops their opponent from being able to take a turn!



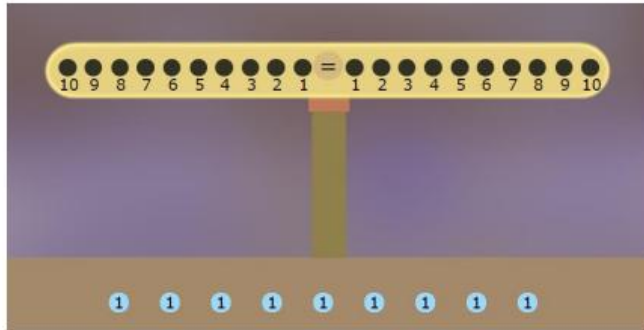
Instead of playing against each other, you could work together to use as many numbers as possible. Can you use all the numbers from 0-20? Why or why not?

[nrich.maths.org](http://nrich.maths.org)



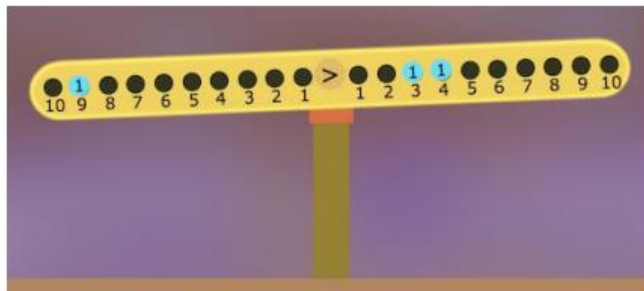
## Number Balance

This is a picture of the interactive number balance on the NRICH website:



There are blue weights on the table, which you can hang onto the numbers. Have a play with it!

Here is a picture of the number balance with some weights on it:

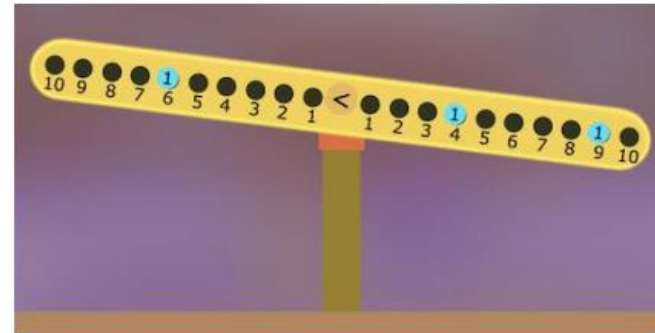


Where would you need to hang a weight to make it balance?

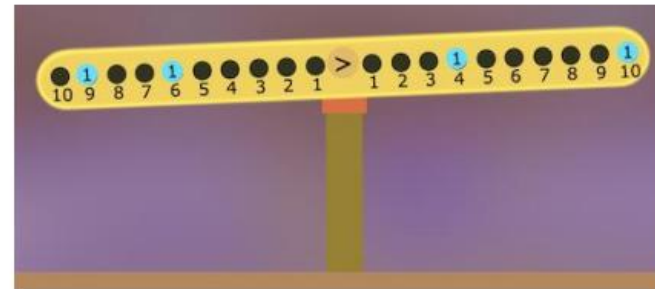


## Number Balance

What about this picture below? Where would you hang a weight to make it balance?



If you had to use two weights and make the picture below balance, where could you put them?

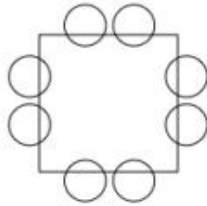


How many different ways can you make it balance with two weights?

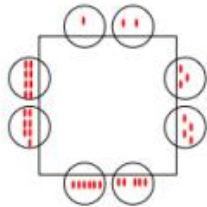


## Sitting Round the Party Tables

Some children are at a party. They are sitting around a square table like this:



In the top left-hand corner is the person who is giving the party. They have a bag of sweets and they start giving them out in a clockwise direction: one for themselves, two for the next person, three for the next and so on.



What do you notice?

You might like to focus on:

- The number of sweets that are given out altogether
- The total number of sweets that children sitting opposite each other are given
- The total number of sweets that children sitting diagonally opposite each other are given
- Or something else!

There are other similar parties happening at the same time. They have bigger square tables with more children sitting around them - perhaps 3 children on each side, or maybe more.

Draw some of these tables. What do you notice? You can choose one of the areas above to focus on, or you might have your own ideas about what to investigate.



## Sitting Round the Party Tables

Once you've thought about that, you might like to explore what happens with five- and six-sided tables like these:



What do you notice?