Find 10 different equivalent fractions for 3/4	Change these decimal fractions of amounts in to fractions of amounts: 0.5kg, 0.25kg 0.75kg, 0.2 kg. How many g in each?	Change these decimal fractions of amounts in to fractions of amounts: 0.5m, 0.25m 0.75m, 0.2 m. How many cm in each?	How many of these things can you do in one minute? Estimate first. Star jumps; take off your socks and put them back on again; say the 3x table.	Make a pattern with daisies. Draw daisies with a centre and petals. The petals must have a ratio pattern of 3:2:1. You can have any number of petals as long as the total is a multiple of 7.	Make a timetable for your day. How long do you take to do the different activities? What proportion of your day do you sleep? How much time do you spend eating?
Find the common factors of 45, 36 and 42	Write a short story "The day everything halved". What could happen? Is it funny?	Which number has the most factors: 54, 62, 100 or 99. Guess first and then see if you are right.	Find a page in the book you are reading. What is the mean average number of words per line in the first paragraph on the first full page of the story?	Listen to a favourite song. How long is it in seconds? In minutes? In fraction of an hour?	Draw a square 12x12 cm square. Divide in half and then quarters with a horizontal and a vertical line. Now divide each section in half and quarters diagonally. Use three colours to make a pattern.
Look for a recipe to make a cake or batch of buns. Double the amounts of all the ingredients so that you can make twice as much. Could you make a cake or batch a third of the size? Ten times? Can you make just one bun?!	Find ten different number sentences to make 29. Use all four operations. You can use them as many times as you like in one sentence. Use BODMAS.	Find ten different number sentences to make 2.9 Use all four operations. You can use them as many times as you like in one sentence. Use BODMAS.	Play a pairs game. Divide an A4 sheet of paper into 16 equal rectangles to make a set of card. Write different pairs of equivalent fractions on pairs of cards. Now shuffle and lay them out face down. How many turns do you take to pair them up? (Or make another one for tables facts. Choose trickier facts to help you learn them.)	Make the Jumping Reindeer game https://nrich.maths.org/1191 Use bits of paper as counters. Can you find a way to teach someone else how to play so you always have one left?	https://nrich.maths.org/1181 This game is called Traffic Light. Which version do you prefer?

Here is a menu of interactive maths games: https://nrich.maths.org/9415 check the age guide first – you should go for 7-11 as these are designed for upper primary age groups.

Here are some good ones to get you started: https://nrich.maths.org/32 https://nrich.maths.org/1193 https://nrich.maths.org/1189 https://nrich.maths.org/4803