



The games and activities in this booklet are designed to support developing doubling and halving skills at home. The characters in the booklet feature in the mathematical picture book, **Double Trouble** available on Amazon or by request at your local library.

Join The Talac Gang mailing list for book news, free gifts, discounts and maths resources to use at home.

www.cullyeducation.co.uk/double-trouble

Double Trouble



Rachel Cully

Booklet for parents

Games and activities to learn about doubling and halving at home and in the community.



Doubling and Halving when Out and About

+ Number Plate Game

Choose a starting number and see who will be first to see a car that has a number that is double or half. How high/low can you go?



+ Savvy Shopper

How many half-price bargains can you spot?

+ Double and Half Hunt

Look out for examples of half and double used in the local community, e.g. double cream, half price, half-time. Do you find more examples of double or half?

+ Half way

Challenge each other to find half of a length, weight or distance – check it.

Who is the closest?



Doubling and Halving Activities in the kitchen

+ Master Chef 1

Can you double or halve the quantities in a recipe, e.g. one cup becomes 2 cups.

+ Master Chef 2

Decorate biscuits with icing. Divide each biscuit in half with a line of icing and ice dots in one half. Challenge your child to ice double or half the number of dots in the empty half.

+ Star server

Can you put half of the biscuits on the plate?
Can you put double the number of sandwiches on this plate?
Can you fill all the glasses half-full with squash?





Doubling and Halving Activities at Home

+ Double Time

Agree a wage for completing chores – can they earn double time by completing the chore... without being asked... within a set time...etc

+ Half-time

Have a half time break from chores/homework/play, discussing what time that will be, e.g If we are doing 20 minutes homework, we can have a break after 10 minutes

+ Stair Master

Count in doubles as you climb the stairs and half the numbers as you walk back down, e.g.

1 2 4 8 16

16 8 4 2 1



Doubling and Halving Activities in the Garden

+ Daisy Chains

Can you make a daisy chain double/half the length? How many daisies do you need?

+ Car race

Make a ramp for a toy car. Can you make changes to the ramp so that the car travels double the distance? If you halve the height of the ramp, does the car travel half the distance?

+ Target Practice

Draw 2 target circles on the ground. Throw beanbags, stones or balls into the target circles for 1 minute. Score half the number in the closest circle and double the number in the furthest circle.





Doubling and Halving Activities at Home

✚ Bingo

Play bingo using doubles and halves. Numbers can be crossed out on the bingo grid if they are a double or half of the word called out, e.g.

Say 6

Cross out 3 or 12

✚ Hey Teacher!

Let your child be the teacher and correct your doubles and halves.



✚ Bath Time Fun

Can children fill containers half-full? Discuss – is it half-full or half-empty?

✚ Double or halve it!

Challenge children to find something double or half the weight, length or height of an object.



Doubling and Halving In the Garden

✚ Ladybird Hunt

Can you find any ladybirds? Count the dots on each side. Discuss how each side is half and the two together is double. Can you identify the species by the number of dots?

✚ Catch it

Throw and catch a ball for one minute. Do you throw and catch double the number of balls if you double the time?

✚ Treasure Hunt

Place some 'treasure' you have found in the garden out on the lawn and challenge children to find doubles of each item. Can they do it within 1 minute?

