KIRF: I know the doubles and halves of numbers

Children need to understand how to find half, and how to double numbers up to 20. They should be able to instantly recall what double and half is of each number to 20.
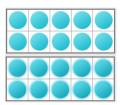
What can this look like?

Concrete:

Pictorial:

Abstract:

Double 10 is 20

Half of 20 is 10.

Questions to ask at home

What is **double** 9?
What is **half** of 4?
How can we find **half** of 8?
Explain how we can **double** 5.

Key vocabulary

Double- adding a number twice e.g. 6 + 6 or multiplying the number by 2 e.g. 6 x 2.

Half- splitting a number into 2, dividing by 2 e.g. 1- divided by 2 is 5. (Please note that children will not know what division is yet, they will be simply splitting the number into two groups.)

Things to try

Doubling butterfly- Draw an outline of a ladybird, paint spots on one side; fold it over to show double that number. Write the calculation to go with it.

Doubles bingo- Choose 5 numbers between 1-20. Ask questions such as, what is double 6 or what is half of 18. Keep going until all numbers have been crossed off!

Double or nothing- Create a 6 x 6 grid with a numbers 1-24. Working in a pair, roll 2 dice, double the number and cover the number with a counter/object. The first to get 4 in a row wins!

Websites:

https://www.ictgames.com/mobilePage/archeryDoubles/index.html

https://www.topmarks.co.uk/maths-games/hit-the-button