



## Autumn 2

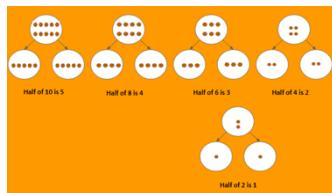
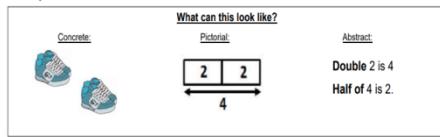
### Learning Focus: Doubling and halving numbers to 10

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

#### Key Vocabulary

- Double - adding a number twice e.g.  $6+6$
- Doubling - can also be viewed as multiplying by 2 e.g.  $6 \times 2$
- Half - Splitting a number into 2 equal groups (*children will not have covered division yet*)

Children need to understand how to find half, and how to double numbers up to 10. They should be able to instantly recall what double and half is of each number to 10.



Using Pictorial Representations to Double	
Single	Double
1 ●	2 ● ●
2 ●●	4 ●● ●●
3 ●●●	6 ●●● ●●●
4 ●●●●	8 ●●●● ●●●●
5 ●●●●●	10 ●●●●● ●●●●●

Using Concrete Objects to Double	
Single	Double
1 1	2 2
2 2	4 4
3 3	6 6
4 4	8 8
5 5	10 10

#### Getting Started

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

#### Suggested Activities

- **Doubling ladybirds** - Draw an outline of a ladybird, add spots to one side, then ask your child to fill in the other side, model saying; double    is   .
- **Seeing double** - Use the reflection of a mirror to show double of a number of objects.
- **Halving plates** - Draw a line down the centre of a paper plate, drop a selection of everyday objects to the plate and find half by splitting the objects onto each half of the plate.



#### Useful Websites

- [White Rose Maths: 1 Minute Maths](#)
- [TopMarks: Hit the Button Game](#)
- [ICT Games: Robin Hood Archery Doubles](#)

