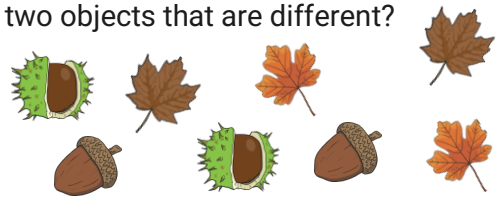
# Maths Talk and Learn: Supporting White Rose Maths Just Like Me!

## Match

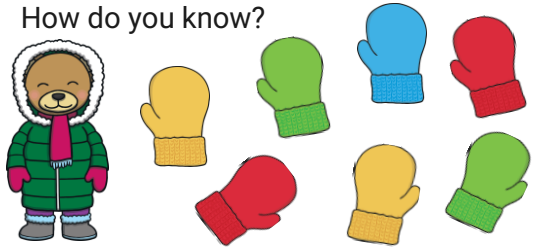
Objects **match** when they are exactly the same as each other.

**matching pair** **same** **different**

Talk about these autumn objects. What do you notice? Can you find pairs of objects that are the same? How do you know that they match? Can you point to two objects that are different?



Teddy is sorting her mittens. She should have a **matching pair** of mittens in each colour. Talk about what you can see. Do you think Teddy has all of her mittens? How do you know?

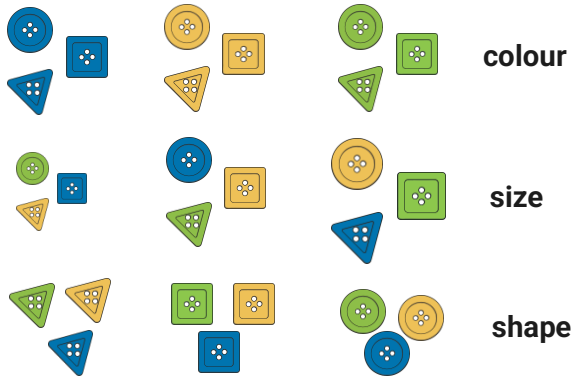


**Challenge Yourself:**

- Play a matching game using some pairs of socks. Can you find a matching pair? How do you know that they are the same?
- Can you fold the matching socks together into pairs? Are there any missing? How do you know?

## Sort

Objects can be sorted into groups in lots of different ways, such as by colour, shape or size.




Little Hedgehog is collecting autumn leaves to make a nest. Talk about how Little Hedgehog has **sorted** the leaves into groups.

Now, Little Hedgehog has **sorted** the leaves in a different way. Look carefully at the leaves. Can you talk about how Little Hedgehog has **sorted** the leaves this time? What is the same about the leaves in each group?

**Challenge Yourself:**

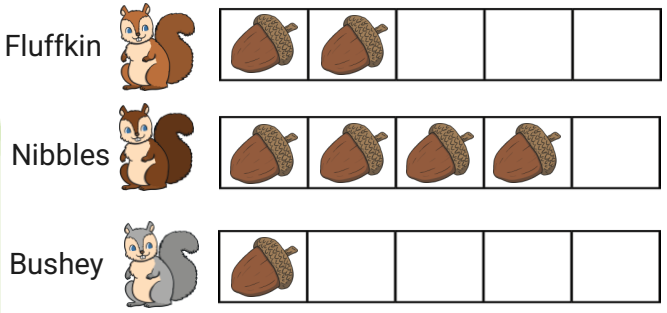
- With a grown-up, go on an autumn walk and collect some autumn leaves.
- Can you find different ways of sorting your leaves into groups? See if your grown-up can work out how you've sorted your leaves.
- Close your eyes and ask a grown-up to move one of the leaves to a different group. Can you spot which leaf is the odd one out?

## Compare Amounts

Groups of objects can be compared. When making comparisons, a group of objects can have…

**more** objects **fewer** objects the **same number of** objects

Fluffkin, Nibbles and Bushey have been collecting acorns. Look at the five-frames and talk about what you notice.




Which squirrel found the **most** acorns? Who found the **fewest** acorns?

Squeaky came to show off his acorns. How many has he got?


Can you find two squirrels who collected the **same** number of acorns?

**Challenge Yourself:**

- Roll two dice and compare the number of spots shown. Which dice shows more spots? Which dice shows fewer spots? Can you roll or turn the dice so that they show the same number of spots?

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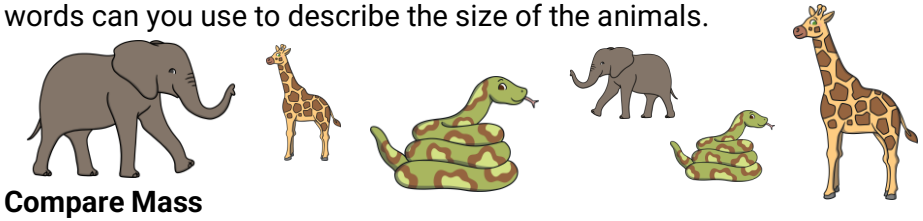
## Compare Size, Mass and Capacity

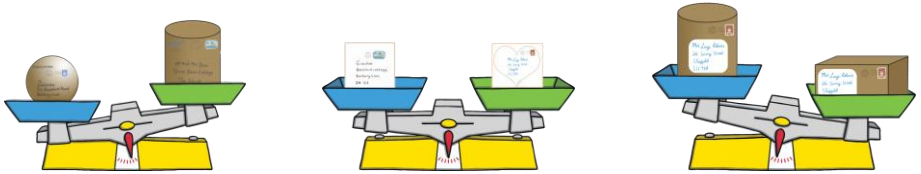
**Compare Size**

The **size** of objects can be compared using words, such as **taller**, **longer**, **shorter**, **bigger** and **smaller**. Talk about the animals in this picture. What words can you use to describe the size of the animals.



**Compare Mass**

The **mass** of objects can be compared using words, such as **heavier**, **lighter**, **balance**, **equal** or **same**. Talk about the parcels on these balance scales. What do you notice? How do you know when two parcels weigh the same?



**Compare Capacity**

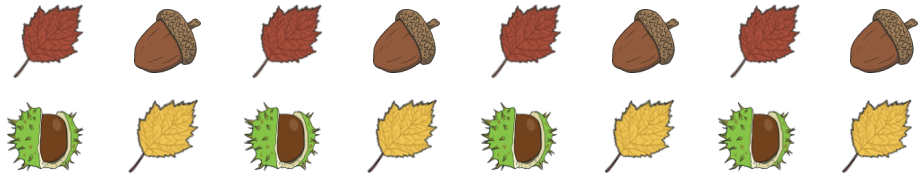
The **capacity** of objects can be compared using words, such as **more**, **less**, **full** and **empty**. Talk about these bottles of juice. Which bottle is full? Can you see an empty bottle? Can you use the words '**more**' and '**less**' to talk about the amount of juice in each bottle?

**Challenge Yourself:**

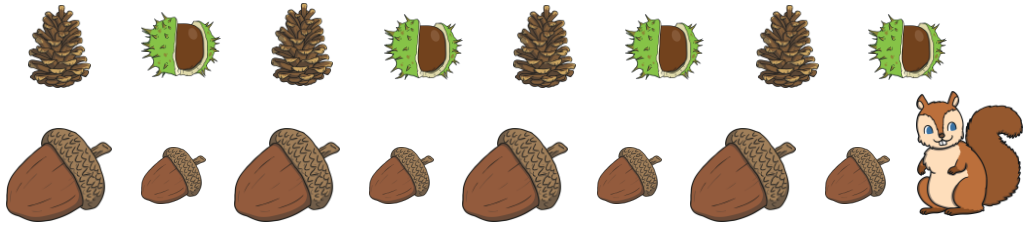
- Collect some autumn leaves and some sticks and compare their sizes and lengths. Which is the biggest leaf you've found? Which is the longest stick? Can you find two leaves that are the same size? Or two sticks that are the same length?
- Can you put your leaves in order from smallest to biggest? Which leaf is your favourite? Can you describe it to a grown-up? Can you put the sticks in order from shortest to tallest? Talk about your leaves or sticks using words, such as small, bigger, biggest, short, taller, or tallest.

## Exploring Pattern

**Repeating patterns** can be made using colours, shapes, objects, actions or sounds. They contain **sequences** that are repeated again and again. Talk about these **patterns** of autumn items. Can you say the patterns?



Little Squirrel has made some repeating patterns using autumnal items. Can you say the patterns? What do you think would come next in each pattern?



Little Squirrel and his friends have made a pattern. Talk about the pattern they have made. What do you notice? Is the pattern correct? How could they change the pattern so that it is correct?

**Challenge Yourself:**

- Can you create some repeating patterns using actions or movements? You could create a movement pattern by clapping your hands and stamping your foot. Can you describe your pattern for a grown-up to copy?