

# Outdoor Maths Challenge Cards

twinkl

Outdoor Maths

Go on a Maths Nature Hunt around the grounds. Can you find some natural objects that represent a particular number?

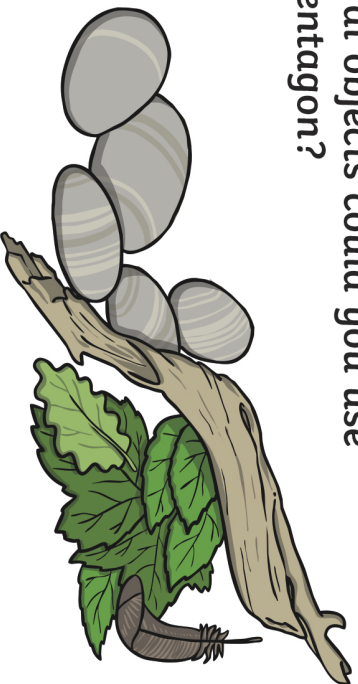


Outdoor Maths

Using natural objects, can you make different 2D shapes? Can you use stones to make a circle? Can you make a triangle from twigs?



Which natural objects could you use to make a pentagon?

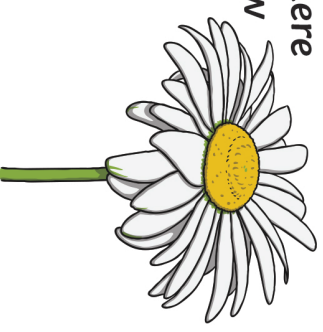


Outdoor Maths

Place a hoop on the grass and estimate with your partner how many flowers are inside. Count them! Was your estimate correct?

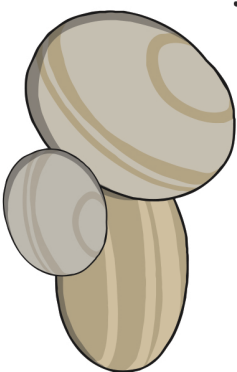


Will there be the same number if you move your hoop somewhere else? How could you record how many flowers are in the hoop?



Find different natural materials and turn them into a natural symmetrical pattern. Can you make both sides look identical?

Could you use different 2D-shapes within your picture? Do you know any patterns that exist in nature that are symmetrical?

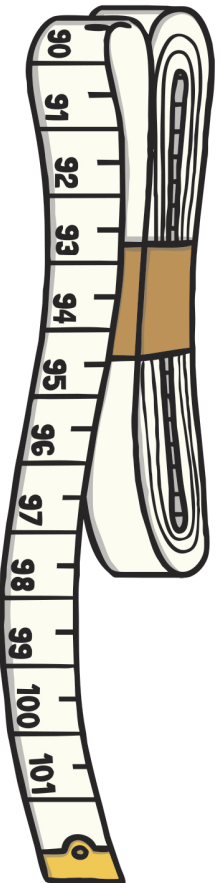


Using different natural materials, create your own pattern. What would come next in your sequence? What would the 10th object be? Or the 20th? Or the 100th? How could you work it out?



Using a tape measure, can you find the length / height of different natural objects? Can you estimate how long / tall they will be?

Can you place them in order starting with the smallest?

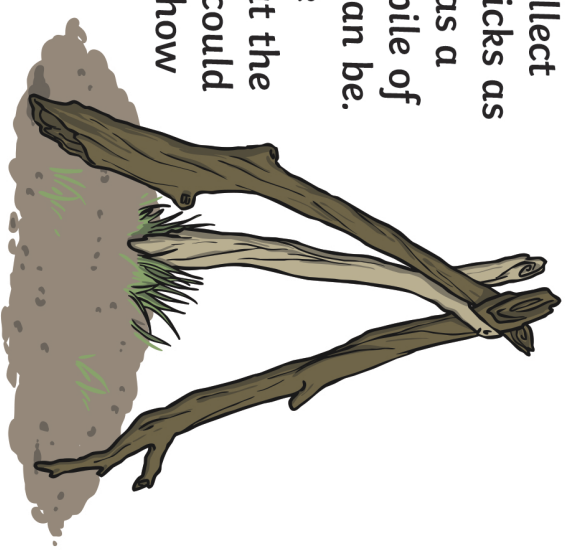


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In a small group, collect together as many sticks as you can find. Work as a team to make your pile of sticks the tallest it can be. Will your pile be the tallest? Can you beat the other teams? What could you use to measure how tall it is?

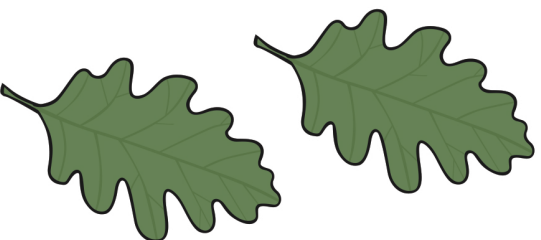


Outdoor Maths

Find an even amount of leaves. How many different ways can you arrange them? What arrays could you use?

What happens when you have a different number of leaves?

Does it work with an odd amount of leaves? What about if you have 15 leaves? Can you make an array? Why/why not?



Outdoor Maths

Using sticks and string, can you make your own kite?

What could you use to make the bows? Can you decorate your kite design?

