



Habitats
and Vegetation

Big Space Fractions

Age: 7-14

Topic: Fractions, Decimals
and Percentages

Time: 30 minutes



If you would like to develop your outdoor learning knowledge and skills, take a look at our range of training courses:
ltl.org.uk/outdoor-learning-training

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Overview

This active approach to maths supports children with the visualisation of fractions. It also has a strong health and wellbeing element as children are challenged to become leaders and communicate their ideas effectively to the group.

The activity does not need to end with fractions, but it could be used to demonstrate the relationship between them, decimals and percentages. The pupils could even create a human pie chart representing data in percentage form wearing different coloured sports bibs for each category!

What equipment will I need?

- Chalk and string to mark out shapes
- Clothing for lying on the ground!
- Camera

How will learners explore this?

1. Split the children into teams of ~6.
2. Each team must draw a circle with a diameter of 3m using the string and chalk.*
3. Once the circles are accurately chalked out, challenge the teams to cover different fractions.
4. Start with simple fractions but you can also look at equivalent fractions to gauge understanding of the concept.
5. Try changing the shape to a 3m² square.
6. Don't forget to take photos for your records.

* Hint – measure 1.5m of string and tie a piece of chalk to one end. One child holds the other end in place where the centre of the circle will be whilst a second child draws a circle with the tied-on chalk ensuring that the string is always kept taut.



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