



Maths
Age 5-9

Big space fractions

- Fractions, percentages, and decimals



Learning through Landscapes

Overview

This maths activity is a practical way to explore fractions and for pupils to physically experience their values.

Resources

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

Activity ideas

1. Split the children into small teams
2. Ask each team to draw/lay out a 3m² square with chalk/rope.
3. Challenge the teams to cover different fractions by lying or standing in the correct areas.
4. Start with simple fractions such as a half, a quarter, an eighth, etc. You can also look at equivalent fractions to gauge understanding of the concept.

Suggested outcomes for learning and play

We understand you will tailor this activity to the learning needs of your pupils. Here are some of the learning outcomes and extension ideas that other practitioners have used this lesson idea to reach.

- To represent fractions using visual models
- To partition shapes into different fraction values

Suggested outcomes for learning and play (cont.)

Here are some more activity ideas to help bridge the gap between the indoors and the outdoors for your pupils:

Subject area	Topic	Ideas for further exploration
Physical education	Physical movement	Play the activity as a game where pupils run to a certain shape or create a particular fraction as quickly as possible
P.S.H.E	Teamwork and communication	Work together in groups to find the solution and cooperate with each other
Maths	Fractions	Use the same technique to find fractions of different shapes, e.g. circle, triangle
	Number	How many people can you fit into a certain fraction? Explore fractions of number by using people
	Area/perimeter	Accurately measure the area and perimeter of the shapes drawn

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