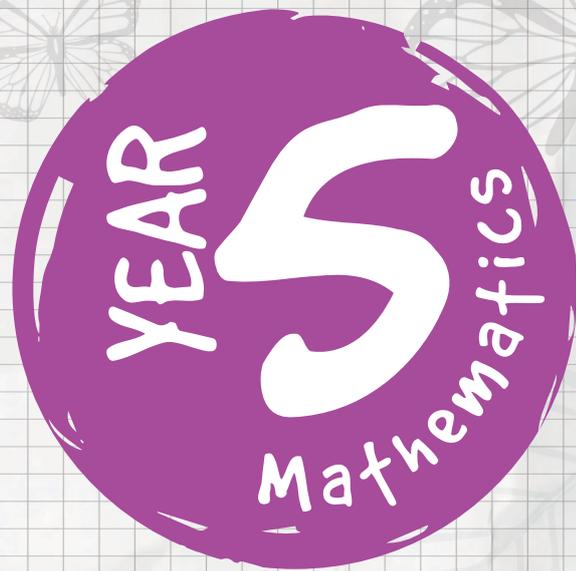


Outdoor Learning Lesson Plan

by Nature Play QLD

Measurement and Geometry - Using Units of Measurement

- Calculate the perimeter and area of rectangles using familiar metric units (ACMMG109)



Class:

Date:

Time:

Weather:

Resources:

- Metre sticks / measuring tapes
- Trundle wheel (optional)
- Sticks to mark 'X'
- Paper and pencil per student

Introduction: (20 mins)

Divide the class into groups of 4 or 5 children and ask them to collect natural materials from the ground. With those materials, create a line on the ground that they estimate is 1 metre in length. Take turns to measure each group's line to see which group's estimate is the closest.

Next, ask each group to pace out what they estimate to be 20 metres in length and mark the place of that estimated length with an 'X'. Then ask each group to measure how accurate they were using either a tape measure, metre sticks or a trundle wheel. What was the difference?

Main Activity: (30 mins)

Discuss and demonstrate how to find the perimeter and area of rectangles. Use rectangular shapes in the outdoor environment as examples.

Ask children to find, sketch and label different rectangular objects in the outdoor environment. Then ask children to record and calculate the shape's perimeter and area (children can either use a calculator or round to the nearest centimetre or metre for calculations).

Discussion: (5 mins)

Share and discuss the calculated perimeters and areas of a variety of rectangles found and compare the children's answers.