



# The Big Picture

Recommended for Year 3

Strategy F - Simplify. Break the problem down into simpler steps to solve it.

# F3 Volleyball at the park



# NC Objectives

To interpret and present data using tables (year 3, statistics)

## Stickability

They continue to interpret data presented in many contexts. (year 3 statistics, notes and guidance)

## Key Questions

Have you read all of the clues?

How will you record what you are finding out?

Have you tested your solution against the clues?

## Resources

Large recording tables, eg 2-way Carroll Diagrams.

## Problem based learning

Children must simplify this problem, reading all the clues and working through them. Children must find ways of recording the information, either using a logic table or other jottings.

## HOOK

Ask the children if they have ever played volleyball (you could even play some volleyball in PE to prepare the children).

## Teacher Led

Introduce the PitSTOP 3 problem to the children. Use jottings to record who can and cannot play with who, coming up with the two pairs that can play volleyball together.

## Student Led

Read and give out PitSTOP 4 for children to discuss in pairs.

Support: PitSTOP 1 and 2  
Extension: are there any other solutions?

## Teacher Led

Show PitSTOP 5 to the children and note that the two children who bought ice-cream have now returned. Solve as a class.

## AFL & Independent

As pupils are ready, give out PitSTOP 6 to complete in pairs or independently.

Support: continue with PitSTOP 5  
Extension: PitSTOP 7

## PLENARY

Share various methods of recording and allow children to explain how they followed the clues.

LEARNING SEQUENCE