



# The Big Picture

**Recommended for year 4**  
 Strategy A - Act it Out/Make a Model.  
 Children will solve the problem by physically interacting with it

# A7 Camp Site



# NC Objectives

solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (addition and subtraction, year 4)



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## Stickability

Add and subtract numbers mentally, (Addition and subtraction Year 3)  
 Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems (addition and subtraction, year 2)

## Key Questions

What is the most important information in the problem?  
 Could a caravan have one person in it?  
 Why are the corner squares more important?

## Resources

Post-it notes are a handy way of keeping track of how many people could be in each caravan.  
 An enlarged copy of the caravan site, or simplified model of it.

## Problem based learning

Help children to recognise that we need smaller numbers because if we use numbers greater than 10, for example, we cannot keep the line totals to 15.  
 Only numbers from 1-8 are used and the 'larger' numbers, e.g. 7 and 8 must be separated in different corners of the grid.

LEARNING SEQUENCE

### HOOK

Ask children who has ever been to a camp site or stayed in a tent or caravan. Explain that today's problem is at a camp site.

### Teacher Led

Introduce the PitSTOP 2 problem to the children and model how to find a solution. Children to discuss in pairs and come up with solutions or strategies to solve it. Solve on IWB.

### Student Led

Explain task of PitSTOP 3 and give children time to attempt in pairs, using post-its or mini-whiteboards.  
 Support: PitSTOP 1  
 Extension: is there more than one solution?

### Teacher Led

Show the children PitSTOP 4 and solve as a class with children working together and coming up to the board to share ideas.

### AFL & Independent

If children are ready, give out PitSTOP 6. Keep some on the carpet for PitSTOP 5 if they are not yet ready.  
 Support: PitSTOP 4 or 5.  
 Extension: PitSTOP 7.

### PLENARY

Children to share strategies. Focus on this that used a trial and error strategy and those that used addition or a "working backwards" strategy.