

STOPS A4 - Lesson Plan

Name

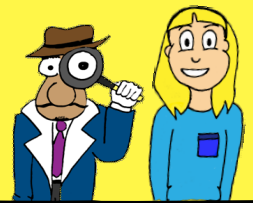
STOPS A4 - Fruity Sweet Party

Learning Intention

To solve a problem by acting it out

Resources

Per child/pair/group: 5 Paper plates, 15 counters/cubes



Teaching notes

Show problem to children and ensure that they understand. Allow them to attempt the problem, initially without the supporting resources. Identify, through children's efforts if possible, that making a model would help us. Use actual paper plates and counters or a similar model, e.g. drawing circles in maths books, to help solve the problem.

Key Questions

What can we do to help us solve this problem?

Which strategy are we focusing on today?

How will you modify your model?

Why could you keep some plates with the same counters on?



Differentiation:

Higher: STOPS A5

Lower: STOPS A3

Extension on sheet: Make each line add up to 8

Further extension: Use 21 counters and make each line add up to 14. How many ways can you do this?

Lower: Put three plates in a line. How many ways can you make 15 by putting a different number of counters on each plate? Record as addition number sentences. Repeat for 4 plates etc.

Solutions:

Many solutions are possible, as are variations on these solutions:

Up to 10: Horizontal line is 2-5-3, vertical line is 4-5-1

Up to 8: Horizontal line is 3-1-4, vertical line is 5-1-2

Up to 14: Horizontal line is 2-7-5, vertical line is 3-7-4