

Camping Conundrum 1

A Numicon 'finding all possibilities' activity for pairs

What you will need per pair

- A copy of this sheet (**Please note:** this is an A3 document and needs to be printed at 100%)
- 9 Numicon Coloured Pegs
- For Extensions: Numicon Shapes

What to do

- Set the scene: tell children that 9 people are camping out for the night.
- There are 2 tents the campers can sleep in (see below).
- Each tent can hold up to 8 people.
- No camper is allowed to sleep in a tent on their own.
- Using the pegs to represent people, investigate all the possibilities to find how the campers could stay overnight in these 2 tents.

Extensions and questions

- Have you found all the possibilities? How do you know?
- Repeat the activity with a different number of campers.
- Repeat the activity with a different number of tents.
- Repeat the activity with a different size of tent (using a different Numicon Shape).
- Is it possible to have an equal amount of people in each tent?

