

## THE WONDERS OF WATER

**THINKING SKILL:** enquiry  
**SUBJECT LINK:** science  
**ORGANISATION:** whole class, then groups  
**RESOURCES:** large sheet of paper and marker pens

### WHAT TO DO

- Briefly discuss where our water comes from and what happens to waste water. Explain that clean water is precious and that we need to use it wisely because there are about 450 million people in the world who are facing water shortages.
- Take a large piece of paper and draw a large drop of water in the centre, inside which write WATER. Around the outside of this droplet, brainstorm as many ways of using water as you can. Write these in one colour as branches from the water droplet.
- Take a second colour and draw a branch from each water usage suggestion and state how the quantity of water used could be reduced, for example, use a bowl of water to wash vegetables, turn off the tap while brushing teeth, have a shower instead of a bath.
- Pool the groups' ideas and expand on these by visiting one of many useful websites that address the subject, such as [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)



## MAKE THE NUMBER

**THINKING SKILL:** information processing  
**SUBJECT LINK:** mathematics  
**ORGANISATION:** individual  
**RESOURCES:** pen and paper

### WHAT TO DO

- Set a target number (for example, 473) and challenge the class to find as many ways of reaching that target as possible, using all four operations (+, -, × and ÷).



## YOUR MOVE

**THINKING SKILL:** reasoning  
**SUBJECT LINK:** mathematics  
**LEARNING LINK:** tactile  
**ORGANISATION:** individual  
**RESOURCES:** squared paper; ten card counters and felt tip pens

### WHAT TO DO

- Prepare a four by four grid and make ten counters that will fit onto the squares. The counters should be one colour on one side and a contrasting colour on the other side.
- Set up the counters as in the diagram:

			●
●	●	●	●
●	●	●	●
			●

- Turn all the counters over in 10 moves. A counter is turned over when another counter jumps it, either diagonally or straight over.

## QUEEN VICTORIA'S FAMILY TREE

**THINKING SKILL:** enquiry  
**SUBJECT LINK:** history  
**ORGANISATION:** individuals, then whole class  
**RESOURCES:** Queen Victoria's family tree on board; pen and paper

### WHAT TO DO

- Discuss with the class the meaning of niece, nephew, aunt, uncle, first cousin, second cousin and so on.
- Draw up Queen Victoria's family tree on the board and ask the children a few questions such as:
  - Who was Queen Victoria's father?
  - How many children did she have?
  - Who were Queen Victoria's uncles?
- Now ask the children to create ten more questions about this family tree to share with the class