

How much cereal? How much box?

You need:

box of cereal

kitchen measuring cups

paper and pencil to record your results

rice

large bowl or container

cornflakes

plastic bag



What to do:

1. Open the box and measure the volume of cereal it contains using the measuring cups.
2. Fill the empty box with the rice, then measure the volume of the box by measuring the volume of the rice you have used with the measuring cups.
What is the difference between the two volumes?
Why is there a difference?
3. Measure one cup of cornflakes into the plastic bag.
4. Crush the cornflakes into tiny pieces and then measure their volume again.
What is the difference between the two volumes?
Why is there a difference?
5. When you have finished put the cereal back into the box ready for the next group.