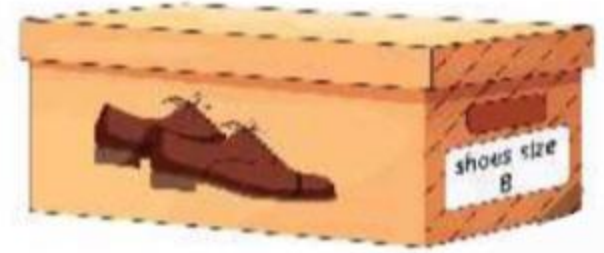


* 4.1. Exploring volume

Let's investigate.


How could you find out how much space there is inside this shoe box?



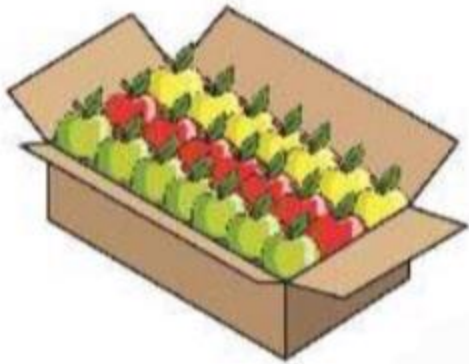
Remember

The amount of space inside an object is a measure of the volume of the object.

You can find the volume of a box by filling it with identical items, then counting them.

 This box holds 21 apples.

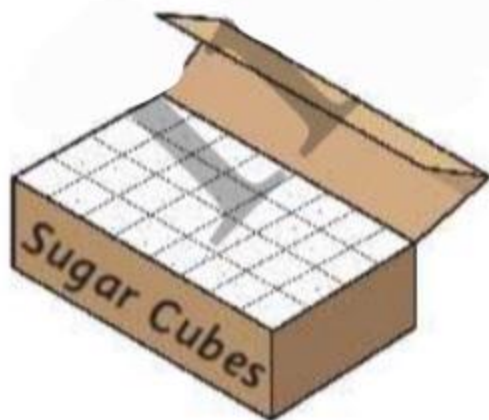
It has a volume of about 21 apples.



We use "about" to describe the volume because the items do not fill the space completely.

 This box holds 32 sugar cubes.

It has a volume of 32 sugar cubes.



The sugar cubes fill the box without leaving any spaces.