

# Calculate the Volume of Packaging

Home assignment, teamwork, Teams-based

## ***How much product can a packaging item contain?***

*In this assignment you must work together as a group, in your own homes, to calculate the volume of different pieces of packaging that can be found in your homes.*



There will be some preparation at school, homework, and then a presentation at school at the end.

## Group preparation in school

- Go to your math Teams and go to your own channel.
- **Plan a Teams meeting**, for a time when you are all going to be home and have had sufficient time to find a suitable packaging item and have time to conduct a longer meeting. You should dedicate an hour for the meeting. During the meeting you will have to calculate the volumes of different packaging items.
- **Create a folder for this assignment**, under files in Teams. At home you will have to upload photos to this folder.
- **Create a word document** in the folder. This is the document you will use to write in during the assignment.
- Agree on how to communicate in teams during this assignment. E.g. How to let the others know that you uploaded pictures. How to react to posts. How often to check Teams for activity. How to conduct the meeting.

## Homework

Individually:

- **Find a suitable packing item**, which you can use to calculate the volume together.
- **Tag et billede af emballagen**, and post the picture on teams.

- **Take measurements of the packaging**, and write them down, either on paper, or in your joint document on Teams. Remember that you need to be able to use the measurements later, so it is important that you know which measurements belong where and that you have written units.
- Have you agreed that a notification should be given in the chat when you have posted pictures and can leave?
- Have you agreed that you will keep an eye on the chat to see if there has been a message?

At your group meeting:

- You must calculate the volume of the group's packaging.
- Use the math handbook.
- You can choose to calculate on paper or in your shared document.
- You must document your calculations - so remember text and interim calculations, and preferably drawings!
- If you have drawn and or calculated on paper, take pictures of it and put them in the folder on Teams. Of course, you can also scan them in instead.



Common in the class

- The groups briefly explain which packaging they have chosen and how they calculated the volume.
- We evaluate work process and task together.