Exercise in the subject course - In & Out project

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A. Can you find the fractions?

A1 Description

The participants are working in pairs finding fractions in the surroundings around them. They take a photo of each subject with a camera or with their mobile phone. The photos will be illustrations for a multiple-choise task.

As the participants are from both formal and non-formal sectors you may focus on subjects that are related to the place, if possible.

A2 Subject aims

The aim is to see and understand that fractions express a part of a unified whole.

A3 Preparations

The partcipants have to know how to express factions and know about numerator og denominator. Every group must have either a camera or a phone to take photos.

A4 Time

Two lessons

A5 Implementation

Show the participants differrent pictures as examples, use the differences among the participants to make groups and express the amount as fractions of the unified whole. Other subjects could be the lamps, tables or something else in the room. The participants go outside the classroom and 'collect fractions' with their cameras.

Back in the classroom the partipants make multiple-choise task by using their photos. They may use an A4 page, where they place their photos and possible fractions-names. See example on the attacment.

A6 Conclusion

Participants often have problems with fractions. The main problem is, they see the meaning, that they don't relate them to anything - maybe except pizza and layercakes. In this excersice they combine different representations; Photo and algebraic expression. Other activities can be to write a story about the subject - how did the registrered fraction occour?



















