



Concepts for teaching units

Title	Discounts and sales
Environment	<p>The environment allows differentiation, allows sharing experience and practice from countries across the work. The experience of migrant pupils becomes a source of mathematics.</p> <p>Financial literacy is one of the areas that needs to be paid attention to at different school levels as a person's financial literacy is one of the basic steps to making right decisions in the area of finances. To be financially literate is vital to be able to live on one's budget, not to get in debt, to support oneself and one's own family.</p>
Age of students/grade	Lower-secondary students
Length of the unit	1 - 2 x 45 minutes
Materials needed	Supermarket or other shops flyers
Objectives	<p>The student</p> <ul style="list-style-type: none"> • can apply mathematics in real-world problems with percentages • has improved pupils' financial literacy • understands the concept of discount in a shop • can analyze data in a supermarket flyer • cooperates in pairs and a group of students
Content related anchor points	<ul style="list-style-type: none"> • percentages • rule of three • base • financial literacy • terminology from the domain of goods, meals, market places, restaurants, clothing, ... • graphically presented information • products specific for different regions • data collection and processing • search for information • use of graphs and charts
Methodology related anchor points	<ul style="list-style-type: none"> • Use of simpler tasks with number answers (this will allow migrant pupils succeed.) • For more complex tasks, work in pairs and groups, use mixed pairs (migrant + non-migrant pupil)

	<ul style="list-style-type: none"> • Allow sharing experience in the initial phase of the lesson (shopping in your country, sales seasons etc.) • Use visual aids • Check understanding
Language related anchor points	<ul style="list-style-type: none"> • The environment asks for knowledge of everyday life vocabulary – food and clothes. Pictures of items with labels giving their name in the language of instruction can be put in the board. • Check understanding, monitor migrant pupils if they know what they should be doing at each stage of the lesson, allow non-migrant pupils to be helping them out.

A sample lesson plan is the developed teaching unit CZ_06 Sales.

Any tasks in which pupils calculate the discount of an item belongs here. Either they know the original price and the discount in percentages and calculate the final price, or they check in a supermarket flyer that there are no mistakes in the prices, or they know the original price and the price after discount and then they state the percentage of the discount, or they know the price of the item after discount and know the discount in percentages and find the original price...

The pupils can develop their own supermarket flyer. This can be a longer project in which teams first research the prices of selected items in some supermarket and then make a flyer with discounts. Pupils can also select specific items, look at their prices in several shops and express in per cents the differences in their prices. This data can be presented in tables, i.e. the pupils develop their skills in handling and presenting data.