

# Problem file for simulations

(example)

\*Note: The teacher puts the prices on the products so that the different situations can be explored.

1 - Pedro went to the shop with his mother to buy his favourite cereal. In the shop, he noticed that there were two boxes of different sizes, therefore with different quantities of cereal (e.g. 600g/5.89eur and 1kg/9.20eur). He asked his mum to buy some. Pedro and his mum have different opinions about which package allows them to bring the cereal at a lower cost.

2 - We've run out of butter at home and Ruth's father decides to go to the supermarket to buy a new pack. Of the options available (e.g. 2.49eur; 2.69eur; 3, 14eur), her father decides to go for the "take 2, pay 1" promotion (e.g. 2.79eur). Was this the right choice?

3 - The biggest discounts have arrived. The supermarket has extra goods and wants to sell them off quickly by selling domestic apples to consumers. It decides to put the price of 1kg packs of apples at 50% off (e.g. 1.49eur). On the next stall, there are 2kg packs of apples priced higher than the price of the kg on sale (e.g. 2.76eur). Which option is more economical?