

Exercise 1

The Brener company sews sports jackets. The planned volume of production and sales in the month of January was 12,000 jackets. The expected selling price was set at CZK 7,000. The consumption norm of the basic unit material is 3 meters per jacket, the predetermined price of 1 meter of material was set at 800 CZK. Variable overhead costs are dependent on the number of hours worked. The amount of variable overhead costs for one hour is 200 CZK, and it takes 3 hours to sew one jacket (standard time consumption). Fixed costs were budgeted with a limit of CZK 24,000,000.

In fact, 10,000 jackets were produced and sold, the actual unit material consumption was 30,100 meters, and the actual labor hours were 32,000 hours. The actual amount of costs and revenues was as follows:

Actual sales revenue	71 500 000 CZK
Actual unit material consumption	24 170 000 CZK
The actual amount of variable overhead costs	6 080 000 CZK
Actual amount of fixed costs	24 250 000 CZK

Tasks:

1. Set standards for 1 jacket
2. Find out the budgeted (standard) and actual profit

Exercise 2

Calculate the amount of the direct material standard per piece of product, if you know the data on the following items: The purchase price of 1 kg of material is 108 CZK, transportation by truck from the supplier for a certain number of hours after the order is 13.20 CZK, receipt and handling 1.50 CZK, quantity discount CZK 2.70. The quality standard for a certain product, the production of which includes purchased material, must take into account not only the necessary amount of this material, but also the necessary operational waste (e.g. cutting). Material consumption for one product is 81 kg, necessary waste 6 kg and scrap rate (waste rate) 3 kg.

Exercise 3

Calculate the amount of the product's direct personnel cost standard, which consists of labor costs, social security contributions, and health insurance. The worker's hourly wage rate is CZK 270, bonuses and bonuses 30% of the wage rate, social security insurance 25% of wage costs, and health insurance premiums 9% of wage costs. The time of an employee required to produce one product is 5.7 hours, downtime 0.3 hours, maintenance of production equipment 0.9 hours, scrap removal 0.6 hours.