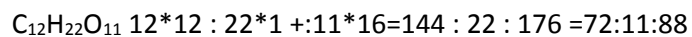


zadanie 1 str.203



zadanie 2

wzór sumaryczny:  $\text{C}_{12}\text{H}_{22}\text{O}_{11}$

Masa molowa: **342**

masa C -  $12 \cdot 12 = 144$

masa H -  $1 \cdot 22 = 22$

masa O -  $16 \cdot 11 = 176$

**węgiel**

342 - 100%

144 - x

$$x = (144 \cdot 100) / 342 = 42,1\%$$

**wodór**

342 - 100%

22 - x

$$x = 6,4\%$$

**tlen**

342 - 100%

176 - x

$$x = 51,5\%$$

**zadanie 4**

$$\text{C}_n(\text{H}_2\text{O})_n = 90\text{u}$$

$$12n + (2 \cdot 1 + 16)n = 90$$

$$12n + (18)n = 90$$

$$12n + 18n = 90$$

$$30n = 90 / 30$$

$$n = 3$$

Odp:  $\text{C}_3\text{H}_6\text{O}_3$