184 second grade girls from different primary schools were measured. Current body height, body weight, mid-arm circumference, body mass index and the skinfold thickness were established. All the body characteristics were statistically processed and they were analysed. The results are in a good agreement with current czech standards (V. and VI. Nation–wide Anthropological Survey of Children and Adolescents in the Czech Republic 1991, 2001), or in case of skinfold thickness (Bláha et al, 1999 a). The results could be influenced by the optional permition of girls