**Exercise 1** Calc. : ✗

A teacher wants to select a group of 4 students from a class of 10 to help with an event.

a) **Calculate** the number of different groups the teacher can select. | 2 marks

b) The class consists of 4 girls and 6 boys.

**Calculate** how many different groups of 4 the teacher can select, if the group should have 2 girls and 2 boys. | 3 marks