Task. A study of 1000 randomly selected flights of a major airline showed that 782 of the flights arrived on time. What is the probability of a flight from this airline arriving on time?

Solution. Let $N = 1000$ be the number of selected flights and $k = 782$ be the number of flights among N arrived in time. Then the probability of a flight from this airline arriving on time is equal to

$$p = \frac{k}{N} = \frac{782}{1000} = 0.782.$$

Answer. $p = 0.782$.