Abstract: The diploma thesis presents several noteworthy geometric problems relating to circles. The introductory chapter deals with constructing Archi- medean circles. The following chapter first presents Ceva's theorem to the reader, and subsequently, the Seven circles theorem. The third and fourth chapters introduce Ford circles and their role in constructing rational num- bers, and the Butterfly theorem, respectively. The final chapter presents the matter of Malfatti circles, including their construction.