

23. With O as centre describe a circle, and, with the dividers, take three points on the circumference, A , B , C , such that the chords AB , BC are equal. How does OB divide the angles ABC , AOC ? How does OB divide AC , and what are the angles at the point of intersection? Give proof.

24. ABC is any triangle. The side BC is produced to D , CA to E , and AB to F . How many degrees are there in the sum of the angles ACD , BAE , CBF ? Verify by measurement and addition.