

**ZMATH 2016c.00736**

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**Thunder and lightning: understanding equidistance.**

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From the text: Lightning strikes, and two people hear thunder simultaneously. Where might the lightning have struck? Now consider a slightly different scenario: Lightning strikes, and three people hear thunder simultaneously. Where might the lightning have struck? These scenarios set the stage for an exploration of equidistance and lead students to develop properties of the perpendicular bisector.

*Classification:* G43 U73 M93

*Keywords:* elementary geometry; plane geometry; geometric constructions; equidistance from points; student activities; mathematical applications; circles; perpendicular bisectors; triangles; circumcenters; congruent figures; geometry software; computer as educational medium; group work; worksheets

<http://www.nctm.org/Publications/mathematics-teacher/2015/Vol108/Issue6/Thunder-and-Lightning.-Understanding-Equidistance/>