

## Math fact of the week

August 12, 2024

**Theorem** (Conway's Little Theorem, [Kar18]). *A triangle is equilateral if and only if the ratio of any two side lengths is rational and the ratio of any two angles is rational.*

### REFERENCES

- [Kar18] O. Karamzadeh. "102.38 A very elementary short proof of Conway's little theorem". In: *The Mathematical Gazette* 102.555 (2018).