

Would it be possible for a regular polygon to have interior angles with the angle measure described? Explain.

18. 155° 19. 160° 20. 165° 21. 168°	18. 155°	55° 19. 160°	20. 165°	21. 168°
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Tell whether each statement is *always, sometimes,* or *never* true.

- **22.** As the number of sides of a polygon increases, the sum of the interior angles increases.
- **23.** As the number of sides of a polygon increases, the sum of the exterior angles decreases.
- **24.** A regular polygon is equilateral.
- **25.** An equilateral polygon is regular.
- **26.** If the number of sides of an equiangular polygon is doubled, the measure of each exterior angle is halved.
- **27**. The measure of an exterior angle of a decagon is greater than the measure of an exterior angle of a pentagon.

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