



Common Core Math Newsletter

4th Grade Unit 5: Geometry and Angle Measurement

In this unit, students will extend their understanding of categorizing two-dimensional shapes by various attributes. In addition, students will measure and identify angles and understand that angle measurement is additive.

Standards

4.G.2

- Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines
- Classify two-dimensional figures based on the presence or absence of angles of a specified size
- Recognize right triangles as a category
- Identify right triangles

4.G.3

- Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts
- Identify line-symmetric figures and draw lines of symmetry

4.MD.7

- Understand concepts of angles
- Measure angles
- Recognize angle measure as additive
- When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts
- Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation

Vocabulary

line of symmetry

the imaginary line where you could fold the image and have both halves match exactly

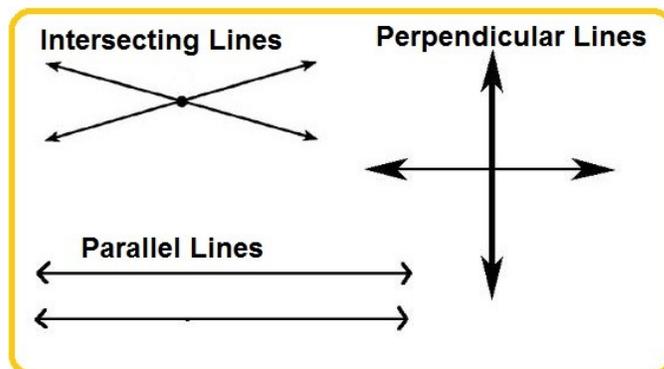


line of symmetry →

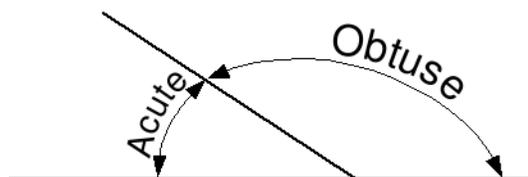
4th Grade Common Core Math

Unit 5: Geometry and Angle Measurement

Vocabulary cont'd

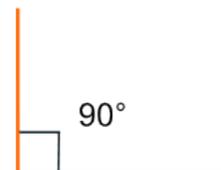


obtuse angle angle that measures greater than 90° and less than 180°



acute angle angle that measures less than 90°

right angle angle that measures exactly 90°



Additional Resources

[IXL.com Topics:](#)

- Geometry

LearnZillion.com Videos:

- <https://learnzillion.com/resources/74908-4th-grade-geometry-4-g>
- <https://learnzillion.com/resources/72441-classify-two-dimensional-shapes-including-right-triangles-using-their-properties>
- <https://learnzillion.com/search?utf8=%E2%9C%93&query=4.g.3&page=1&sort=Relevance&models%5B%5D=LessonPlan&models%5B%5D=LessonSet&models%5B%5D=Resource>
- <https://learnzillion.com/search?utf8=%E2%9C%93&query=4.md.7&page=1&sort=Relevance&models%5B%5D=LessonPlan&models%5B%5D=LessonSet&models%5B%5D=Resource>

Be sure to look to the left of the video to see other lessons on the standard.