

Unit Organizer

5th Grade Math

Angles

Standards Met in this Unit:

Colorado State Standard 1: Students develop number sense and use numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.

- Construct and interpret number meanings through real-world experiences and the use of hands-on materials.
- Use number sense, including estimation and mental arithmetic, to determine the reasonableness of solutions.

Colorado State Standard 4: Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.

- Connect various physical objects with their geometric representation.

Colorado State Standard 5: Students use a variety of tools and techniques to measure, apply the results in problem-solving situations, and communicate the reasoning used in solving these problems.

- Understand and apply the attributes of angle measurement in problem-solving situations.
- Make and use direct and indirect measurements to describe and compare real-world phenomena.
- Understand the structure and use of systems of measurement.
- Select appropriate units, including metric and U.S. customary, and tools (for example, rulers, protractors, compasses, thermometers) to measure to the degree of accuracy required to solve a given problem.

Previous Unit: Ratio

Next Unit: Decimals

Unit 5- Angles (Singapore Book 5A)

Standards for achievement and performance

Students will be able to ...

1. Estimate and measure angles in degrees.
2. Recognize that vertically opposite angles are equal.
3. Recognize that angles on a straight line add up to 180 degrees.

4. Recognize that angles at a point add up to 360 degrees.
5. Find unknown angles involving vertically opposite angles, angles on a straight line and angles at a point.
6. Identify the following terms: right angle, line, circle, degree, protractor, acute, and obtuse.
7. Use a protractor to accurately measure angles.
8. Use a protractor to accurately draw angles.

Vocabulary

Degree

Vertically opposite angles

Clockwise

Counterclockwise