

Glencoe Curriculum Portfolio Activities—Unit 6



Math 2

Calculate the circumference and area of a circle and the perimeters of polygons.

Create a PowerPoint® presentation. On the first slide, create a title for your presentation. On the second slide, draw a circle with a diameter of three inches. Be sure to show the diameter line within the circle. On this slide show the formulas for calculating the circumference and the area of a circle. Calculate the circumference and the area of the circle you created. Show your answers on the slide. On the third slide, draw a triangle. On the fourth slide, draw a quadrilateral. On the fifth slide, draw a square. On the sixth slide, draw an irregular octagon. On the seventh slide, draw a decagon.

On each of the slides with polygons, give the length of each side of the figure. Show the formula for calculating perimeter dimensions. Perform these calculations for each polygon, and display your answers on the slides. On each slide, tell whether the angles in the polygon are acute, right, or obtuse.

Illustrate each slide with clip art. Add color to each of the figures you have drawn. If you need help drawing figures, adding color or clip art, or with creating a PowerPoint® presentation, refer to your textbook.

Refer to *Glencoe Mathematics: Concepts and Applications, Course 1* for information on circles and polygons.

Resource:

Glencoe Mathematics: Concepts and Applications, Course 1, pp. 145-146, 280-282, 370-373, 406-407

Topics: Circles; Perimeters; Angles