Mathematics

Exploring Circles

Independent Task

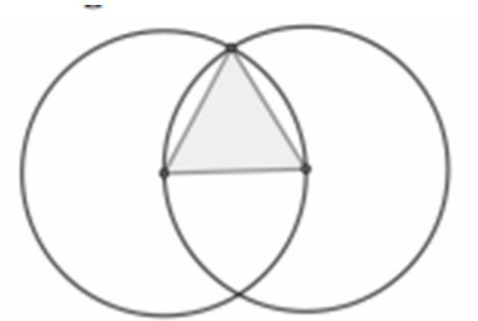
Miss Oreyomi

Questions

1. Use a pair of compasses to draw a circle that:

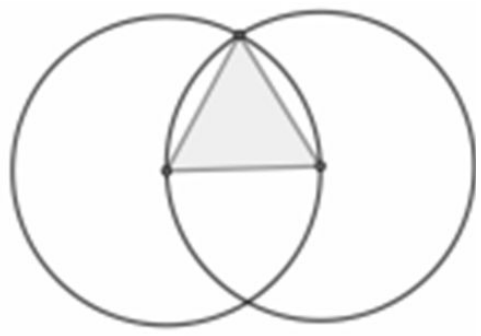
a) Has a radius of length 3cm.

b) Has a diameter of length 10cm.



Questions

2. Use a pair of compasses to construct the following. The two circles have a radius of length 4cm.



3. What are the three lengths of the shaded triangles in question 2? What type of triangle is it?

Questions

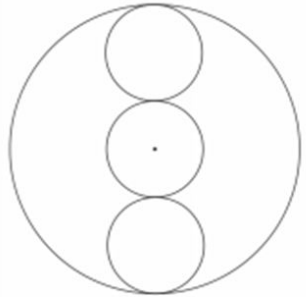
4) The diagrams below have been drawn using seven circles with a radius of length 4cm. Copy and complete the sentences.

a) The square has sides of length _____.

b) The rectangle has two sides of length ___ and two of length _____.

c) The larger circle has a radius of length ___ and a diameter of length ____.





[The three diagrams are not drawn accurately]