

## **A suggested order for Circular Reasoning activities**

Introduce the software. Show how to put fracture on screen and invite them to try out widgets in Inspector to see what they do.

Discuss Vocabulary Cards 1-2. Ask children to tell you how to draw a sector. Follow instructions literally. Avoid drawing correct figure so that children are gradually led to give a necessary and sufficient definition. Do same with segment, etc. Review definitions on vocabulary cards.

Puzzles 1-4.

Illustration Card 1.

Discuss Vocabulary Cards 3. Invite children to show their illustrations from illustration card 1. Use counterexamples as needed.

Illustration Cards 2-4.

Puzzles 5-8.

Discuss #8. Have children explain why diameter is longest chord.

Puzzles 9-12.

Illustration cards 9.

Discuss vocabulary card 5 using illustrations that children created for illustration 9.  
Discuss vocabulary card 6.

Illustration Cards 10-12.

Puzzles 13-15.