

Fractions

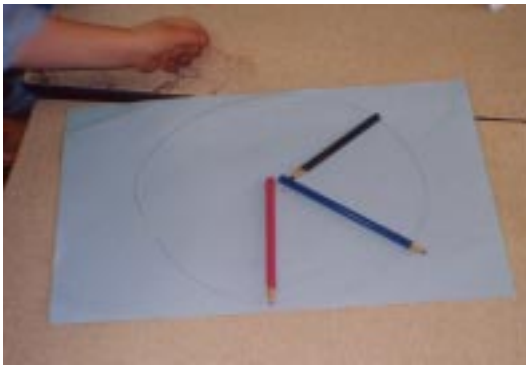
PIKELETS & LAMINGTONS

A piece of cake

- OVERVIEW:** In this activity, students focus on dividing a circle into three equal pieces.
- YEAR LEVEL:** 1–4
- OUTCOME:** Models, compares and represents commonly used fractions... (NS2.4)
- MATERIALS:** Paper and pencils

DEVELOPMENT OF ACTIVITY:

1. Ask the students to draw a circle on a sheet of paper and to imagine that it is the top view of a round lamington cake. *I want you to work out where we would cut the cut to have three equal slices with none left over. Use pencils or popsticks to work out where the cuts would go before you draw them.*
2. Observe the sequence of approximations that students use in developing the idea of dividing a circle into three equal parts.



3. Have a number of students display their answers. *Do you think that everyone's answers will be the same?*

COMMENTS

- This activity can be used with Stage 1 students as it is important that students recognise that not all fractions are halves and quarters.
- The sequence of images above shows the progress of three Year 1 boys in partitioning the circle into three equal parts.