

ACTIVITY IA11.11: How Many Are At Your Table?

Intended learning: To learn to identify equivalent fractions arising from sharing problems as an introduction to equivalent fractions.

Materials: A supply of paper discs to represent pancakes.

Description: Have your students act out the following problems or represent them by drawing.

- (a) If 12 children sit at a table that has 9 pancakes, how many pancakes does each child get?
- (b) If 8 children sit at a table that has 6 pancakes, how many pancakes does each child get?
- (c) If 4 children sit at a table that has 3 pancakes, how many pancakes does each child get?

What did you notice about the answers? Why does this happen?

- (d) If 12 children sit at a table that has 21 pancakes, how many pancakes does each child get?
- (e) If 8 children sit at a table that has 14 pancakes, how many pancakes does each child get?
- (f) If 4 children sit at a table that has 7 pancakes, how many pancakes does each child get?

What did you notice about the answers?

- (g) If 12 children sit at a table that has some pancakes, and each child gets $\frac{3}{4}$ of a pancake, how many pancakes are at this table?
- (h) If some children sit at a table that has 12 pancakes, and each child gets $\frac{3}{4}$ of a pancake, how many children are at this table?

What did you notice about the answers? Why does this happen?