

## ACTIVITY IA11.9: Building Towers

**Intended learning:** To learn to recreate the whole from a fractional part (represented as discrete but linked units) and to go beyond the whole.

**Materials:** Linking cubes.

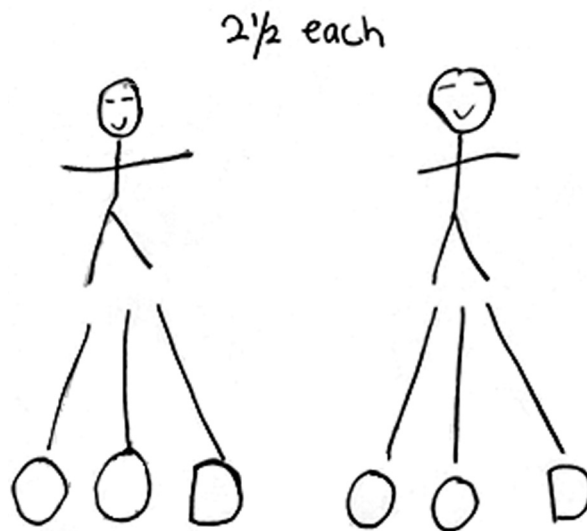


Figure 11.18 Introducing mixed numbers

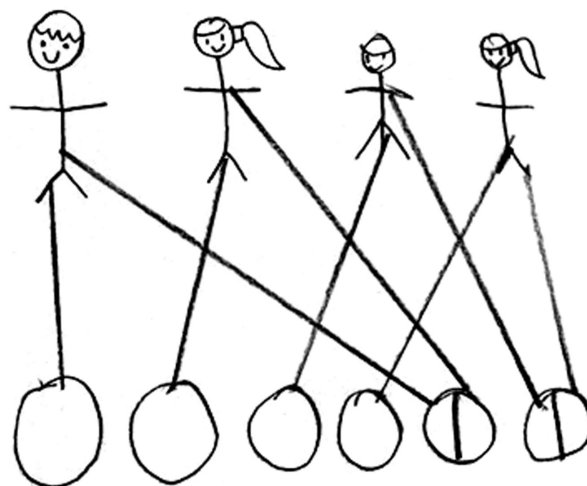


Figure 11.19 Economical partitioning

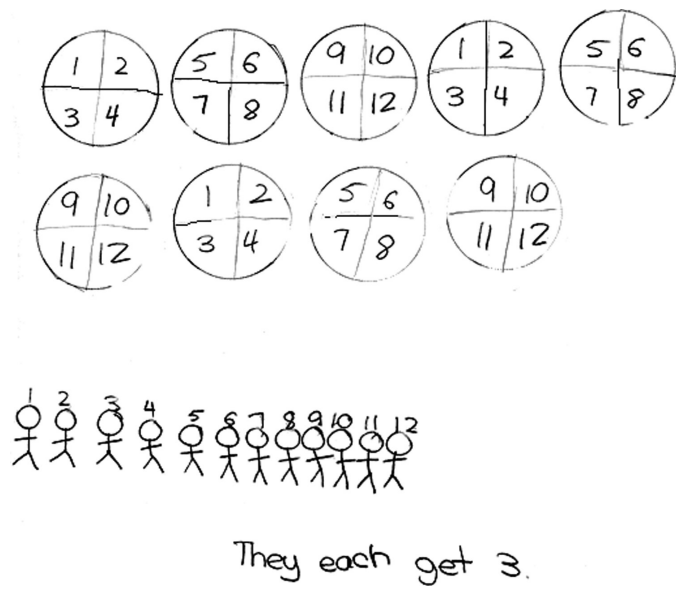


Figure 11.20 Partitioning involving quarters

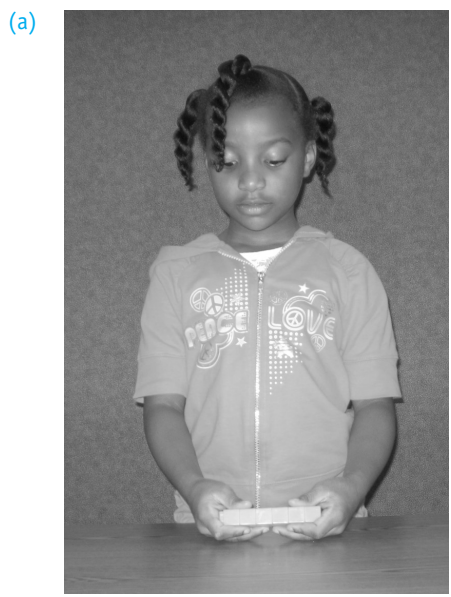


Photo 11.4 a & b Building towers activity: reasoning about fractions with linking cubes

**Description:** Display a tower of nine connected cubes. *If this tower is one-and-a-half, can you make or sketch a tower of one?*

Display six connected cubes. *This tower is three-eighths of the whole tower. Can you sketch (or show me) what one-eighth of the whole tower would be? Can you sketch what one-half of the whole tower looks like?*