

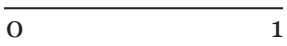
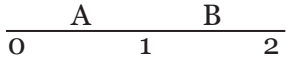


Designing assessment tasks: Choosing the fraction model

<http://topdrawer.aamt.edu.au/Fractions/Assessment/Designing-assessment-tasks/Choosing-the-fraction-model>

Each task suggests a particular way of thinking about and representing fractions.

A comprehensive understanding of fractions includes the ability to work with a variety of models for fractions.

Fraction Model	Task example 1	Task example 2
Part whole – area	Draw a shape and show $\frac{3}{4}$ of the shape.	Fold the paper circle into quarters
Linear (length) model	Mark a starting point and show where $\frac{2}{3}$ of the way around the circle would be.	Fold this length of string to show how much $\frac{1}{3}$ of the string is.
Fraction of a group	Show how to find $\frac{1}{5}$ of this group of 20 counters.	Ling brought 12 stickers to school. If this was $\frac{1}{5}$ of her sticker collection, how many in her whole collection?
Number line	Mark $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{3}{8}$ on this number line. 	What fraction might be located at A? What fraction might be located at B? 
Division (sharing)	Draw something to show how you would share two pancakes equally among three people. How much does each person get?	$2 \div 3 = \frac{2}{3}$ Is this true? Explain your reasons.

