

FRACTIONAL TANGRAMS

Aims:

This activity can give an appreciation of the relative size of different fractions and can be used to illustrate basic equivalent fractions and fractional arithmetic. There are also possible links with geometry and area.

Place a copy of the **accompanying square** upon an **OHP**.

Students are to write down what **fraction** of the whole square each piece represents.

When complete, invite answers from the class and discuss where two or more students give several answers which are equivalent.

When complete, list each fraction with the natural equivalence resulting from the diagram. E.g. with shape *B*, most students might have answered $\frac{1}{8}$, but by comparing with shape *C*, it should be clear that this fraction is equivalent to $\frac{2}{16}$.

Extension.

Students to design their own tangram.

