3 Tangram fractions

- tangram pieces
- a copy of table 1 and 2

- Make a square with all of your tangram pieces.

If the square is considered 1 whole, what fraction of the whole is each tangram piece? Fill in **table 1.**

- Use what you have discovered to compare these fractions in pairs.

$\frac{5}{16}$ $\frac{3}{8}$ $\frac{8}{16}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{11}{16}$ $\frac{15}{16}$ $\frac{1}{4}$ $\frac{4}{8}$

Example: $\frac{1}{2} = \frac{4}{8}$ or $\frac{1}{4} < \frac{11}{16}$ etc

- Make up some number sentences using addition, subtraction, multiplication, division and the fractions. Fill in **table 2.**

Table 1

Tangram piece	Fraction of the whole
Large triangle	$\frac{1}{4}$
Small triangle	
Medium triangle	
Parallelogram	
Square	

Table 2

Tangram pieces	Expression	Fraction of the whole 7 piece square
1. Both large triangles	$\frac{1}{4} + \frac{1}{4} =$	$\frac{1}{2}$
2. Small triangle and square		
3. Medium triangle and square		
4. Large triangle minus medium triangle		
5. Parallelogram minus small triangle		
6. 4 large triangles		
7. 12 small triangles		
8. Half of a large triangle		
9. One fourth of a large triangle		
10. All 7 pieces		