

Tangrams: Fractions, Decimals, Percents

Overview: Ancient Chinese puzzles made of seven polygons (triangles, parallelogram, square) that form a large square.

Tangram pieces	sketch	fraction	decimal	percent
small triangle				
small triangle				
medium triangle				
large triangle				
large triangle				
parallelogram				
square				

Explain your thinking from the chart above:

What's the fractional relationship between the large triangle and medium triangle?

What's the fractional relationship between the large triangle and small triangle?

What's the fractional relationship between the small triangle and medium triangle?

What's the fractional relationship between the small triangle and large triangle?

What's the fractional relationship between the large triangle and square?

What's the fractional relationship between the large triangle and parallelogram?

What's the fractional relationship between the square and parallelogram?

What's the fractional relationship between the small triangle and parallelogram?

What's the fractional relationship between the square and parallelogram?

What's the fractional relationship between the small triangle and square?