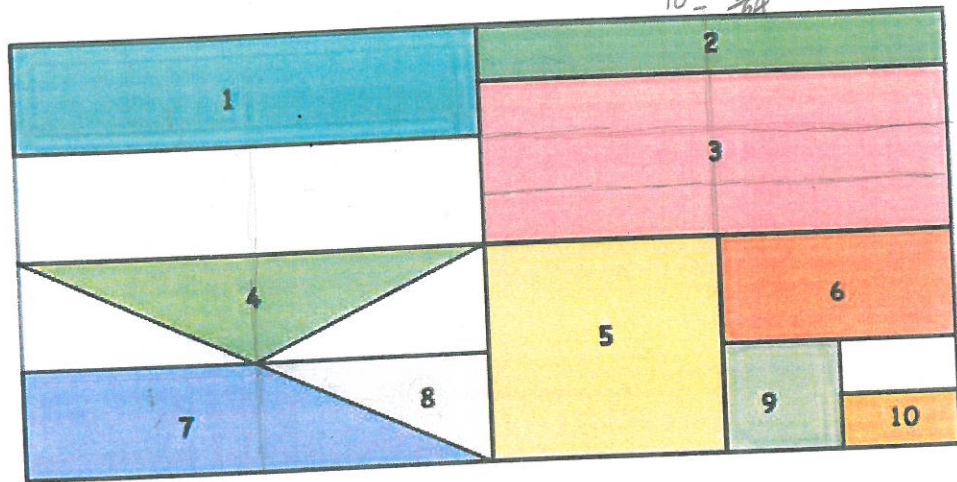


Rectangle Tangle

Stage: 2 ★

$$\begin{array}{lll}
 1 = \frac{1}{8} & 4 = \frac{1}{16} & 7 = \frac{3}{32} \\
 2 = \frac{1}{16} & 5 = \frac{1}{8} & 8 = \frac{1}{32} \\
 3 = \frac{3}{16} & 6 = \frac{1}{16} & 9 = \frac{1}{32} \\
 & & 10 = \frac{1}{64}
 \end{array}$$



The large rectangle above is divided into a series of smaller quadrilaterals and triangles. Each of the shapes is a fractional part of the large rectangle. Can you untangle what fractional part is represented by each of the ten numbered shapes?

- 1.) $\frac{1}{8}$ Because it is half of a quarter of the whole shape.
- 2.) $\frac{1}{16}$ Because it is half of 1.).
- 3.) $\frac{3}{16}$ Because it is 3 of 2) put together.
- 4.) $\frac{1}{16}$ Because if you cut in half you ^{get} 2 halves of an $\frac{1}{8}$ which means it is a $\frac{1}{16}$.
- 5.) $\frac{1}{8}$ Because it is half of a quarter.
- 6.) $\frac{1}{16}$ Because it is half of 5.).
- 7.) $\frac{3}{32}$ Because it is $\frac{1}{2}$ of an $\frac{1}{8}$ add $\frac{1}{4}$ of an $\frac{1}{8}$.
- 8.) $\frac{1}{32}$ Because it is a quarter of an $\frac{1}{8}$.
- 9.) $\frac{1}{32}$ Because it is half of 6.).
- 10.) $\frac{1}{64}$ Because it is half of 9.).

✓ (2tp)
Clear
explanations