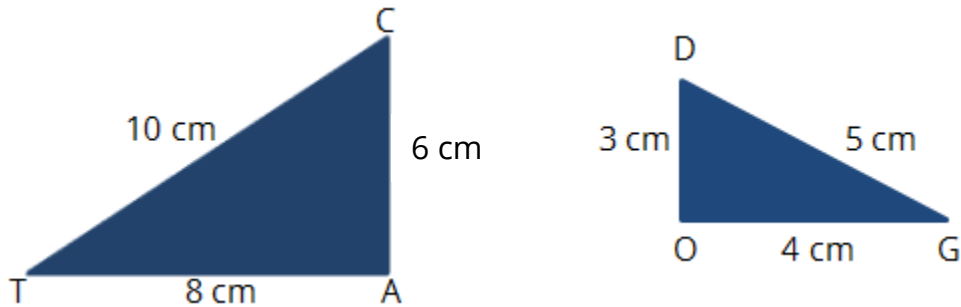


Possible Solution

Write 3 true statements about the following similarity statement. $\triangle CAT \sim \triangle DOG$



- A student can substitute numbers in for side lengths as well.
- The "between" ratio is the same for all ratios comparing two corresponding lengths of two similar figures.
- The between ratios are $\frac{6}{3} = \frac{8}{4} = \frac{10}{5}$
- The "within" ratio compares two attributes within one figure to the corresponding two attributes within a second figure.
- The within ratios are $\frac{10}{8} = \frac{5}{4}$ or $\frac{6}{8} = \frac{3}{4}$ or $\frac{6}{10} = \frac{3}{5}$

If $\triangle CAT \sim \triangle DOG$, then $\frac{CA}{DO} = \frac{AT}{OG} = \frac{CT}{DG}$.

$$\frac{AT}{OG} = \frac{CT}{DG} \quad \parallel \quad \frac{CT}{AT} = \frac{DG}{OG} \quad \parallel \quad \frac{DG}{CT} = \frac{OG}{AT}$$