

Vocabulary: Perimeters and Areas of Similar Figures



Vocabulary

- **Scale factor** – the ratio of the lengths of the corresponding sides of two similar figures.
 - For example, the side lengths of quadrilateral $EFGH$ are twice as long as the side lengths of quadrilateral $ABCD$, so the ratio of the lengths of each pair of corresponding sides is 2.
 - A scale factor can also be called a *similarity ratio*.
- **Similar** – having the same shape, but not necessarily the same size.
 - The symbol \sim means “is similar to.”
 - For example, quadrilaterals $ABCD$ and $EFGH$ above are the same shape, but not the same size, so $ABCD \sim EFGH$.

