Mini-Lesson I: Scale Factor and Volume

VOLUME

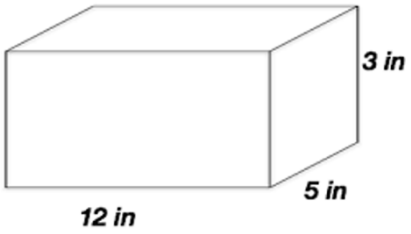
* _____

*For rectangular prisms:

* _____

Ex. 1

What is the volume of the following rectangular prism?



Ex. 2

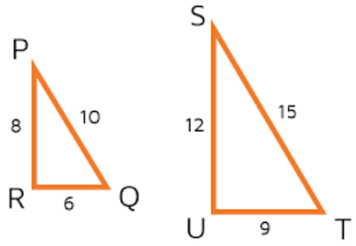
What is the height of a rectangular prism that has a width of 10 inches, a length of 8 inches, and a volume of 880 in^3?

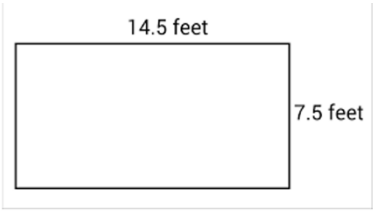
SCALE FACTOR

* _____

Ex. 3

What is the scale factor FROM Triangle PRQ to Triangle SUT?



Ex. 4

Find a new perimeter and area if the shape is enlarged by a scale factor of 3.