

VOLUME INTRODUCTION

Vocabulary Start-Up

Vocab



Define Volume

the amount of
space inside a
3D figure

When would you use volume?
to find how much
something can
hold

volume

Example

how much space
is inside an
aquarium

Nonexample

how much wrapping
paper would cover
a box (SA)

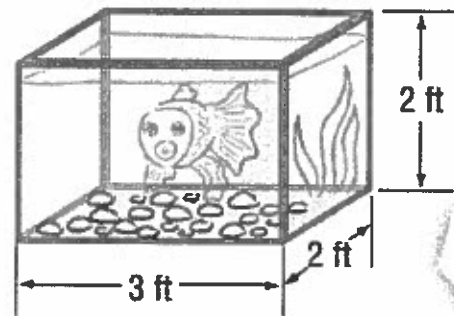


Real-World Link

Watch



Aquarium The dimensions of an aquarium are shown.



1. What is the area of the base of the aquarium? $3 \cdot 2 = 6 \text{ ft}^2$

2. What is the height of the aquarium? 2 ft

3. Fill in the blanks to find the volume.

$$\underset{\text{length}}{3} \times \underset{\text{width}}{2} \times \underset{\text{height}}{2} = 12 \text{ ft}^3$$