Daily Review

- Please answer the following questions. If you finish the questions, please open your book and turn to page 566. Copy down the definition of volume.

- What is the formula for area of a triangle?

- Find the area of a trapezoid that has the following measurements: Base 1- 10 in., Base 2- 20 in., Height- 6 in.

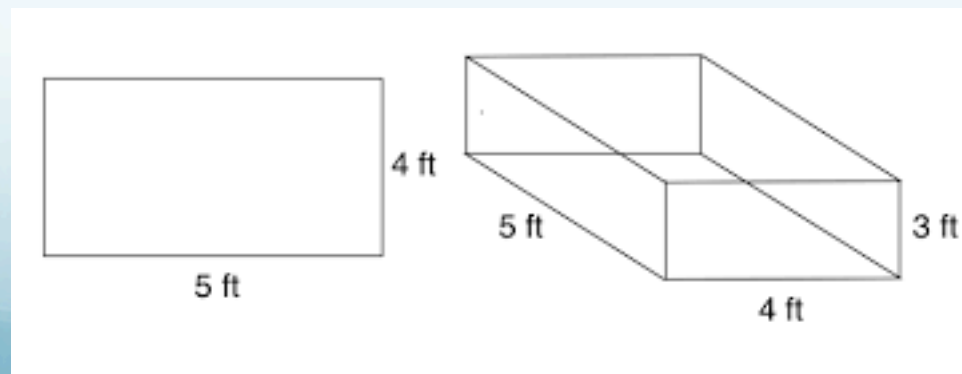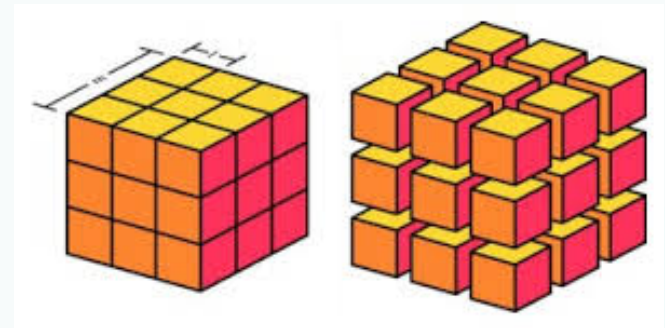The area of a rectangular patio is $90\frac{3}{10}$ square feet. The length is $10\frac{1}{2}$ feet. What is the width, in feet, of the patio?

A. $\frac{5}{43}$

B. $8\frac{3}{5}$

C. $79\frac{4}{5}$

D. $948\frac{3}{20}$

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Review Notes and Work from yesterday

Volume

- Volume- The number of cubic units need to fill a space

- One more step from area

- Different from area- 2D vs. 3D

- Squared vs. Cubed

- Unit Cubes- What fills up volume

Volume of a Rectangular Prism

- The only one we are worrying about

- Examples of rectangular prisms

- Instead of counting unit cubes, we use a formula

- Formula- Length times width times height

- V= LWH

EXAMPLE 1 Finding the Volume of a Rectangular Prism

Find the volume of the rectangular prism.

20 in.
36 in.   80 in.

$V = \ell wh$ Write the formula.
$V = 80 \cdot 36 \cdot 20$ $\ell = 80; w = 36; h = 20$
$V = 57,600 \text{ in}^3$ Multiply.

Video and Reminders

- https://www.brainpop.com/math/geometryandmeasurement/polyhedrons/

- https://www.brainpop.com/math/geometryandmeasurement/volumeofprisms/

- Homework: Study Guide and Worksheet