

Wednesday, January 30, 2019

$$\frac{3}{1}V = \frac{3}{1} \cdot \frac{1}{3} Bh$$
$$\frac{3V}{1} = \frac{Bh}{1}$$

- Warm-up

a. The formula for the volume of a cone is $V = \frac{1}{3}Bh$, where B is the area of the base of the cone and h is the height. Solve this formula for **B**. $= \frac{3V}{h}$

b. Scientists use a temperature unit called the kelvin. For example, the boiling point of water at sea level occurs at 373.16 kelvins, written as 373.16K. The formula $K = \frac{5}{9}(F + 459.67)$, where K is the temperature in kelvins and F is the temperature in degrees Fahrenheit, can be used to convert Fahrenheit temperatures to kelvins. Rewrite the formula in terms of **F**.

- Post-Test

- Resource Survey

Objectives

Content: I will reflect on the Springboard program through a test and survey.

Social: I will be respectful to others through evaluation.

Language: I will write my answers thoughtfully, explaining myself well.

- a. The formula for the volume of a cone is $V = \frac{1}{3}Bh$, where B is the area of the base of the cone and h is the height. Solve this formula for **B**.

$$\frac{9}{5}K = 459.67 = F$$

$$\frac{9}{5}K = \frac{9}{5}(F + 459.67)$$

$$\frac{9K}{5} = F + 459.67$$

$$\frac{9K}{5} - 459.67 = F$$

- b. Scientists use a temperature unit called the kelvin. For example, the boiling point of water at sea level occurs at 373.16 kelvins, written as 373.16K. The formula $K = \frac{5}{9}(F + 459.67)$, where K is the temperature in kelvins and F is the temperature in degrees Fahrenheit, can be used to convert Fahrenheit temperatures to kelvins. Rewrite the formula in terms of **F**.

Test



Reflection on Resources

<https://tinyurl.com/ad12student>

Springboard