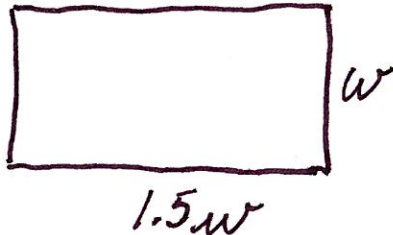


Task #1:

A room is 1.5 times as long as it is wide, and its perimeter is 25 meters. Find the dimensions of the room.



$$25 = 2(1.5w) + 2w$$

$$\frac{25}{5} = \frac{5w}{5}$$

$$5 = w$$

$$7.5 \text{ m} \times 5 \text{ m}$$

$$l = 5(1.5)$$

$$l = 7.5$$

Task #2:

A family has annual loan payments equaling 58.6% of their annual income. During the year, their loan payments total \$13,077.75. What is their annual income?

$$\text{Loan payment} = 58.6\% \cdot \text{Annual income}$$

$$\frac{13,077.75}{.586} = \frac{.586 \cdot I}{.586}$$

$$\$22,316.98 \approx I$$

Task #3:

The price of a swimming pool has been discounted 16.5%. The sale price is \$1210.75. Find the original list price of the pool.

$$\text{Sale price} = \text{list price} - \text{discount}$$

$$\$1210.75 = L - .165L$$

$$\frac{1210.75}{.835} = \frac{.835L}{.835}$$

$$\$1450 = L$$