## Another Look!

The Franklin School library is made up of two rectangular regions, the Reading Room and the Computer Lab. What is the total area of the library?

Write an equation to represent this situation. Let $A$ represent the total area.
$A=(24 \times 19.6)+(9.2 \times 8.5)$

## Multiply to find the area of each room.

$$
\begin{aligned}
24 \times 19.6 & =24 \times(196 \times 0.1) \\
& =(24 \times 196) \times 0.1 \\
& =4,704 \times 0.1 \\
& =470.4
\end{aligned}
$$

| 9.2 |
| :--- |
| $\times \quad 8.5$ |
| 0.10 |
| 4.5 |
| 1.6 |
| 72 |
| 78.2 |

## Franklin School Library

## Section

 DimensionsReading room 24 meters by 19.6 meters

Computer lab 9.2 meters by 8.5 meters
Add to find the total area.


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## Trail Mix Sales

The table shows the number of bags of trail mix sold last month at Patsy's Pantry and Mo's Munch-and-Crunch. Each small bag of trail mix sells for $\$ 5.87$ at Patsy's Pantry and \$4.59 at Mo's Munch-and-Crunch. Which store earned more money from the sales of small bags of trail mix? How much more?

| Trail Mix Bag | Number of Bags Sold |  |
| :---: | :---: | :---: |
|  | Patsy's <br> Pantry | Mo's Munch and Crunch |
| Small ( 1.5 lb ) | 31 | 40 |
| Medium (3 lb) | 14 | 68 |
| Large ( 4.5 lb ) | 53 | 35 |

4. Make Sense and Persevere What are you asked to find?

Which store earned more money from the sale of small bags and how much more money that store earned
5. Model with Math Write and solve an equation to represent the total amount earned from the sale of small bags at Patsy's. Then write and solve an equation to represent the total amount earned from the sales of small bags at Mo's.

6. Be Precise Which store earned more money from the sales of small bags of trail mix? How much more? Show your work.

Compare: \$183.60 > \$181.97; Mo's earned more; $n=\$ 183.60-\$ 181.97$ so $n=\$ 1.63 ;$ Mo's earned \$1.63 more
7. Reasoning At both Patsy's and Mo's, each medium bag of trail mix sells for $\$ 8.49$. Explain how to find which store earned more money from the sales of medium bags without doing the calculation.

Since the price is the same at both stores, the store that sold the greater number of bags of trail mix earned more money. Since 68 > 14, Mo's earned more from selling medium bags.

