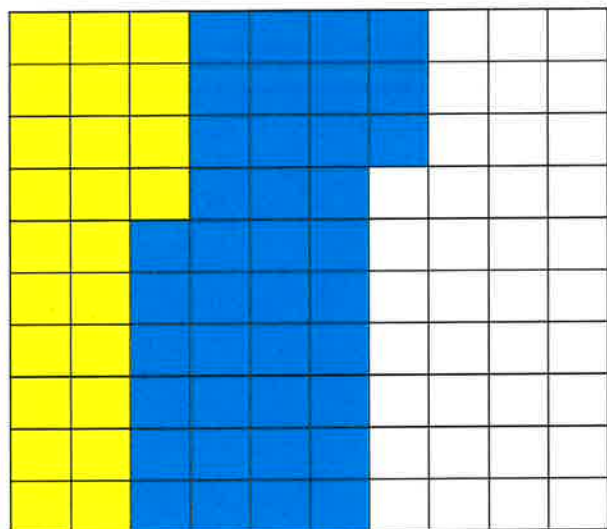


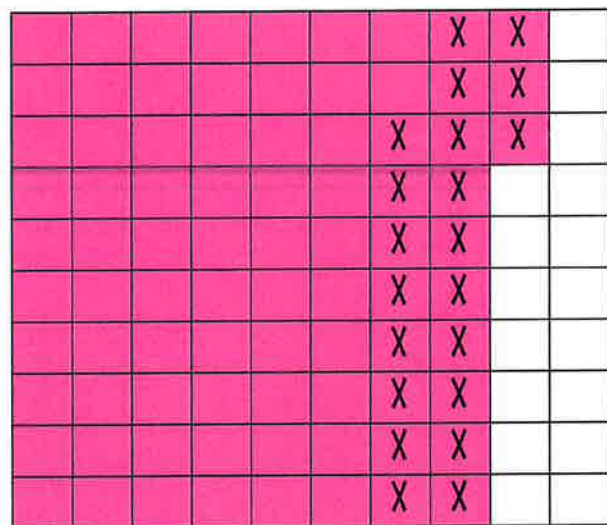
Sample Problems for Notes

$$0.24 + 0.39 = 0.63$$



$$\begin{array}{r} 0.24 \\ + 0.39 \\ \hline 0.63 \end{array}$$

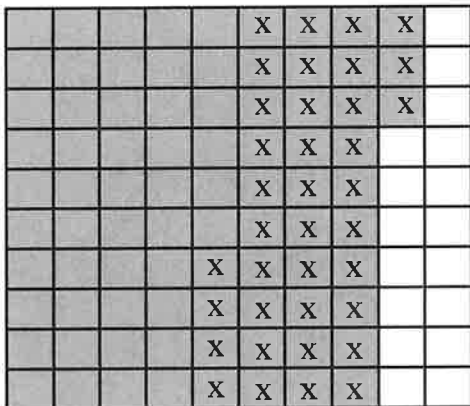
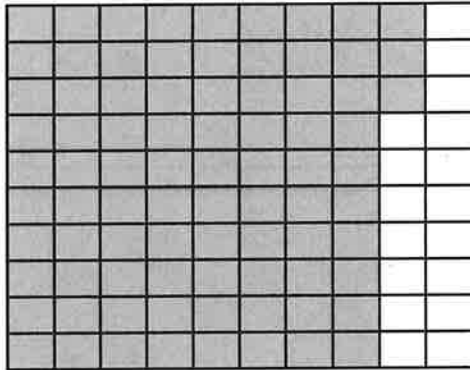
$$0.83 - 0.21 = 0.62$$



$$\begin{array}{r} 0.83 \\ - 0.21 \\ \hline 0.62 \end{array}$$

Strategies for Subtracting Decimals

$$0.83 - 0.37 = 0.46$$



Modeling with Hundredths Blocks:

1. Take your first decimal number and shade in that many squares of your hundredths block.
2. Take your second number and cross out that many blocks from the shaded part. (Start from the end of the shaded part and work your way backward. This will help to clearly show your answer.)
3. Count up how many shaded blocks have not been crossed out.
4. Write your answer in standard form.

Standard Subtraction Algorithm:

Step 1: Line up your decimals with the largest on top, making sure to line up the decimal point.

Step 1:

$$\begin{array}{r} .83 \\ - .37 \\ \hline \end{array}$$

Step 2: Subtract like you would with whole numbers.

Step 2:

$$\begin{array}{r} ^{13} \\ .83 \\ - .37 \\ \hline 46 \end{array}$$

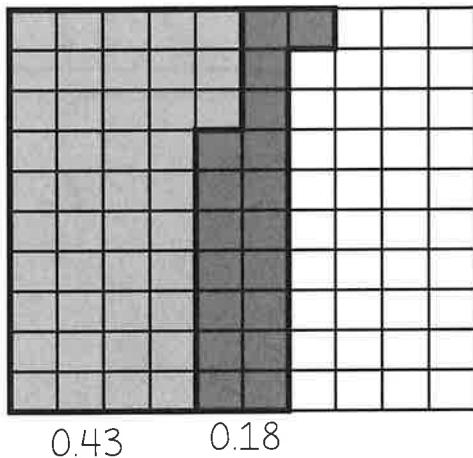
Step 3: Bring the decimal point straight down into your answer.

Step 3.
Final Answer:

$$\begin{array}{r} ^{13} \\ .83 \\ - .37 \\ \hline .46 \end{array}$$

Strategies for Adding Decimals

$$0.43 + 0.18 = 0.61$$



Modeling with Hundredths Blocks:

1. Take your first decimal number (your first addend) and shade in that many squares of your hundredths block with one color.
2. Take your second decimal addend and shade in that many blocks in a different color. (It's best to continue down the end of the column instead of starting in a new column each time. This will help to see the final sum clearly)
3. Count up your boxes and that's how many hundredths you have.
4. Write your decimal in standard form.

Standard Addition Algorithm

Step 1: Line up your addends one on top of the other, making sure to line up the decimal point.

Step 1:

$$\begin{array}{r} .43 \\ +.18 \\ \hline \end{array}$$

Step 2: Add like you would with whole numbers.

Step 2:

$$\begin{array}{r} 1 \\ .43 \\ +.18 \\ \hline 61 \end{array}$$

Step 3: Bring the decimal point straight down into your answer.

Step 3.
Final Answer:

$$\begin{array}{r} 1 \\ .43 \\ +.18 \\ \hline .61 \end{array}$$