

Explain the mistakes

Mistake 1

$$12.4 + 6.35$$

$$18.39$$

Mistake 1: They have moved the 4 which should be in the tenths column into the hundredths column. The answer should be 18.75.

Mistake 2: They have not lined their columns up correctly. The decimal points should always be aligned. The answer should be 18.75 again.

Mistake 2

$$12.4 + 6.35$$

$$\begin{array}{r} 12.4 \\ + 6.35 \\ \hline 7.59 \end{array}$$

What mistake has Mary made?



$$0.41 + 0.3 = 0.413$$

Can you use at least 2 representations to show why she is incorrect?

Mary has added the hundredths to the thousandths place.

Compare the numbers sentences using $<$, $>$ or $=$

$$\begin{array}{l} 0.7 + 0.03 + 0.001 \quad \bigcirc \quad 0.07 + 0.3 + 0.1 \\ 0.4 + 0.1 + 0.05 \quad \bigcirc \quad 0.3 + 0.2 + 0.05 \end{array}$$

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 $=$

Annabelle has some digit cards.



She uses each card once to make a number sentence

$$\begin{array}{r} 0.\square\square\square \\ + 0.\square\square\square \\ \hline \end{array}$$

What is the largest number she can make? What is the smallest?

Largest: 0.951

Smallest: 0.159