

Name: Calvin

Date: Oct 23/ 21 - 22

Class: _____

Teacher: _____

PROVE IT!

Agree or Disagree with the following:

"45 + 16 is the same as 40 + 10 plus 5 + 6. So, 45 x 16 is the same as 40 x 10 plus 5 x 6."

$$\begin{array}{r}
 45 \\
 + 16 \\
 \hline
 61
 \end{array}$$

$$\begin{array}{r}
 45 \\
 \times 16 \\
 \hline
 \end{array}
 = ?$$

$$\begin{array}{r}
 45 \\
 \times 16 \\
 \hline
 720
 \end{array}$$

$ \begin{array}{r} 40 \\ + 10 \\ \hline 50 \end{array} $	$ \begin{array}{r} 5 \\ + 6 \\ \hline 11 \end{array} $
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40 x 10 = no
40 x 16 = yes

40 x 16 = 640

5 x 16 = 80

$$\begin{array}{r}
 50 \\
 + 11 \\
 \hline
 61
 \end{array}$$

$$\begin{array}{r}
 45 \\
 \times 16 \\
 \hline
 720
 \end{array}$$

Explain AND Show your work to prove your answer.

Based on my research I disagree because addition & multiplication are the same but have different ways find the total. The reason why I say that is because when multiplying if you want to break up well so it will be easier here is a i.e... 10 x 40 break up the 40 in-to 20 and 20 so do 10 x 20 = 200 and 10 x 20 = 200 and up 200 and 200 = 400 that is the multiplication way of breaking down numbers. The addition way of breaking down numbers is well i.e... 19 + 19 = break up both 19's in-to 10 and 9 so do 10 + 10 = 20 and 9 + 9 = 18 then add 20 and 18 witch equals 38. That is why I say that they do not have the same way to break down numbers
