

Name: Anaiah

Date: \_\_\_\_\_

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."

$\begin{array}{r} 45 \\ 16 \\ \hline 61 \\ 6 \\ \hline 67 \\ 5 \\ \hline 11 \end{array}$	$\begin{array}{r} 40 \\ 16 \\ \hline 56 \\ 11 \\ \hline 67 \\ 5 \\ \hline 11 \end{array}$
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$\begin{array}{r} 40 \quad 5 \\ 10 \quad 400 \quad 50 \\ 6 \quad 240 \quad 70 \\ \hline 720 \end{array}$	$\begin{array}{r} 400 \\ 240 \\ 50 \\ 30 \\ \hline 720 \end{array}$
$\begin{array}{r} 40 \quad 5 \\ 10 \quad 400 \quad 50 \\ 6 \quad 240 \quad 70 \\ \hline 430 \end{array}$	$\begin{array}{r} 400 \\ 240 \\ 50 \\ 30 \\ \hline 720 \end{array}$

$40 \times 10 = 400$   
 $5 \times 6 = 30$   
 $400 + 30 = 430$

Explain AND Show your work to prove your answer.

I disagree because  $45+16=61$  and when I work it out I got 61 and  
45 is the groups and 16 is the amount of groups. I disagree with  
the second one it said if you can times  $45 \times 16$  it will give you  
the same answer to do 40 times 10 and 5 times, 6 so 45 is the  
Groups and 16 is the amount of groups. So I did  $40 \times 10$  it will  
Give you 400 and I did  $5 \times 6 = 30$  and it gave me 430. When I did  
Area I got 720. That's why I disagree.

I love you miss memon