

Name Mrs. Bennett

Date _____

1. Fill in the chart.

Words	Expression	The Value of the Expression
a. 50 times the difference of 64 and 36	$50 \times (64 - 36)$	$50 \times 28 = 1,400$
b. Divide the sum between 800 and 700 by 5	$(800 + 700) \div 5$	$1500 \div 5 = 300$
c. The sum of 4 thirteens and 16 thirteens	$(4 \times 13) + (16 \times 13)$	$52 + 208 = 260$
d. 12 times the sum of 6 and 12	$12 \times (6 + 12)$	$12 \times 18 = 216$
e. 11 times the sum of 24 and 45	$11 \times (24 + 45)$	$11 \times 69 = 759$
f. 12 times the sum of 324 and 490	$(324 + 490) \times 12$	$814 \times 12 = 9768$

2. Compare the two expressions using $<$, $>$, or $=$. For each, explain how you can determine the answer without calculating.

a. 100×8 $\boxed{=}$ $25 \times (4 \times 8)$ $\begin{matrix} (25 \times 4) \times 8 \\ 100 \times 8 \end{matrix}$

b. 48×12 $\boxed{>}$ 60 twelves – 13 twelves $60 - 13 = 47$
 48 twelves are greater than 47 twelves

c. 24×36 $\boxed{<}$ 18 twenty-fours, tripled

18 twenty-fours doubles is the same as 24×36 ,
 therefore 18 twenty-fours, tripled is greater than 24×36