

Grade 5 Module 2: Mid-Module REVIEW

Name *Key*Date *10/30/19**Test tomorrow!*

1. Fill in the chart.

Words	Expression	The Value of the Expression
a. 50 times the difference <i>between</i> 64 and 36	$50 \times (64 - 36) =$ $\begin{array}{r} 64 \\ -36 \\ \hline 28 \end{array} \times 50$ $\begin{array}{r} 28 \\ \times 50 \\ \hline 1400 \end{array}$	1,400
b. Divide the sum <i>of</i> 800 and 700 by 5	$(800 + 700) \div 5$ $1500 \div 5 = 300$	300
c. The sum of 4 thirteens <i>s</i> and 16 thirteens <i>s</i>	$(4 \times 13) + (16 \times 13)$ $52 + 208$ $\begin{array}{r} 13 \\ \times 4 \\ \hline 52 \end{array} \quad \begin{array}{r} 16 \\ \times 13 \\ \hline 52 \\ \times 208 \\ \hline 208 \end{array}$	260
d. 12 times the sum of 6 and 12	$12 \times (6 + 12)$ 18 $\begin{array}{r} 12 \\ \times 18 \\ \hline 216 \end{array}$	216
e. <i>11 times the sum of 24 and 45</i>	$11 \times (24 + 45)$ $\begin{array}{r} 24 \\ +45 \\ \hline 69 \end{array} \times 11$ $\begin{array}{r} 69 \\ \times 11 \\ \hline 759 \end{array}$	759
f. <i>12 times the sum of 324 and 490.</i>	$(324 + 490) \times 12$ $\begin{array}{r} 324 \\ +490 \\ \hline 814 \end{array} \times 12$ $\begin{array}{r} 814 \\ \times 12 \\ \hline 1628 \\ +8140 \\ \hline 9768 \end{array}$	9,768

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

a. 100×8
800

 $=$

$25 \times (4 \times 8)$

$100 \times 8 = 800$

The product of 4×25 is 100, so $100 \times 8 = 800$

b. 48×12

 $>$

60 twelves – 13 twelves

*This is 48 twelves**This is 47 twelves*

c. 24×36

 $<$

18 twenty-fours, tripled

*36 twenty-fours**I know that $18 \times 2 = 36$, so this side will have more when I add the third 18.*