

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Draw a model then write the numerical expressions.

a. The sum of 21 and 4, doubled

b. 5 times the sum of 7 and 23

c. 2 times the difference between 49.5 and 37.5

d. the sum of 3 fifteens and 4 twos

e. The difference between 9 thirty-sevens and 8 thirty-sevens

f. Triple the sum of 45 and 55

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2. Write the numerical expressions in words.

Expression	Words	The Value of the Expression
a. $10 \times (2.5 + 13.5)$		
b. $(98 - 78) \times 11$		
c. $(71 + 29) \times 26$		
d. $(50 \times 2) + (15 \times 2)$		

3. Compare the two expressions using  $>$ ,  $<$ , or  $=$ . In the space beneath each pair of expressions, explain how you can compare without calculating. Draw a model if it helps you.

a. $93 \times (10 + 2)$	○	$(10 + 2) \times 39$
b. $61 \times 25$	○	60 twenty-fives minus 1 twenty-five

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4. Larry claims that  $(14 + 12) \times (8 + 12)$  and  $(14 \times 12) + (8 \times 12)$  are equivalent because they have the same digits and the same operations.
- Is Larry correct? Explain your thinking.
  
  
  
  
  
  
  
  
  
  
  - Which expression is greater? How much greater?