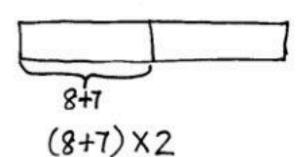
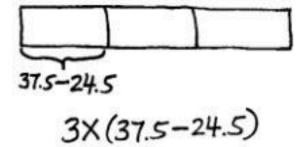
1. Draw a model. Then write the numerical expressions.

a. The sum of 8 and 7, doubled



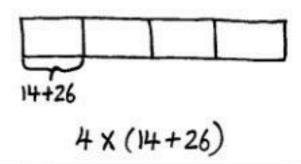
3 times the difference between 37.5 and 24.5



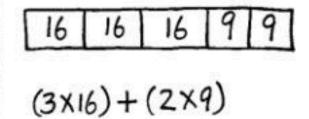
 The difference between 4 twenty-fives and 3 twenty-fives

25	25	25	25
25	25	25	L.,
(4×25	(3)	x25)	?

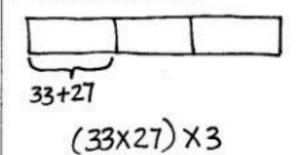
b. 4 times the sum of 14 and 26



d. The sum of 3 sixteens and 2 nines



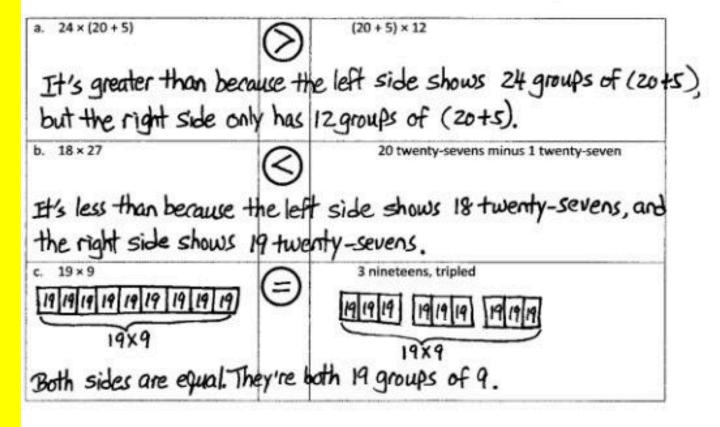
f. Triple the sum of 33 and 27



2. Write the numerical expressions in words.

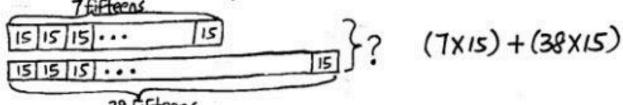
Expression	Words	The Value of the Expression
a. 12 × (5 + 25)	12 times the sum of 5 and 25	360
b. (62 – 12) × 11	11 times the difference between 62 and 12	550
c. (45 + 55) × 23	23 times the sum of 45 and 55	2,300
d. (30 × 2) + (8 × 2)	the sum of 30 twos and 8 twos	76

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.



4. Mr. Huynh wrote the sum of 7 fifteens and 38 fifteens on the board.

Draw a model and write the correct expression.



5. Two students wrote the following numerical expressions.

Angeline:  $(7 + 15) \times (38 + 15)$ MeiLing:  $15 \times (7 + 38)$ 

Are the students' answers equivalent to your answer in part (a)? Explain your answer.

Angeline's answer was equivalent to my answer, but not Meiling's. Meiling's expression showed 15 times the sum of 7 and 38.

6. A box contains 24 oranges. Mr. Lee ordered 8 boxes for his store and 12 boxes for his restaurant.

a. Write an expression to show how to find the total number of oranges ordered.

b. Next week, Mr. Lee will both double the number of boxes he orders. Write a new expression to represent the number of oranges in next week's order.

c. Evaluate your expression from part b to find the total number of oranges ordered in both weeks.

Week 1: (24 x 20) = 480

Week 2: (24×20)×2 = 960

480 + 960 1440

Mr. Lee ordered 1440 oranges in both weeks.