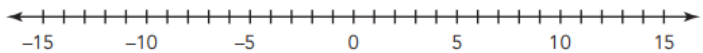
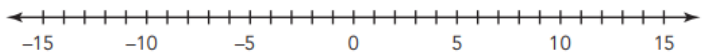
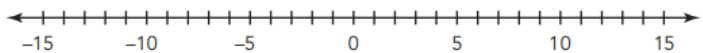
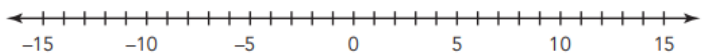


End of Unit TEST

Adding and Subtracting Rational Numbers

Draw both a model using two-color counters and a model using a number line to represent each number sentence. Then, determine the difference. (3 points each)

#	Problem	Chip Model	Number Line Model
1)	$-8 - (-5) =$		
2)	$-4 - 9 =$		
3)	$2 - (-8) =$		
4)	$3 - 12 =$		

Determine each difference without using a model (1 point each):

5) $7 - (-13) =$	10) $10 - (-1) =$
6) $-16 - 3 =$	11) $-9 - 7 =$
7) $-1 - (-2) =$	12) $-5 - (-5) =$
8) $19 - (-19) =$	13) $-8 - (-8) =$
9) $40 - (-20) =$	14) $-800 - (-300) =$

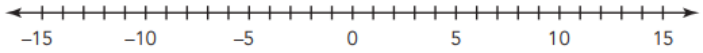
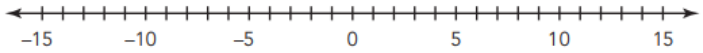
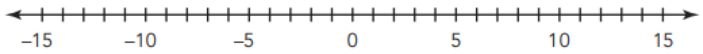
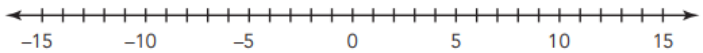
15) The table gives the lowest temperatures ever recorded in five U.S. cities. Use this table to answer each question:

Lowest Recorded Temperatures (°F)				
Honolulu, HI	Huron, SD	Mobile, AL	Norfolk, VA	St. Louis, MO
53	-41	3	-3	-18

a) What is the difference between the greatest temperature listed and the least temperature listed? Answer: _____

b) How much greater was Norfolk's lowest temperature than St. Louis's lowest temperature? Answer: _____

Draw both a model using two-color counters and a model using a number line to represent each number sentence. Then, determine the sum. (3 points each)

#	Problem	Chip Model	Number Line Model
16)	$-5 + 8 =$		
17)	$5 + (-8) =$		
18)	$-5 + (-8) =$		
19)	$5 + 8 =$		

Determine each sum without using a model (1 point each):

20) $45 + (-27) =$	25) $32 + (-98) =$
21) $-153 + 74 =$	26) $-63 + (-41) =$
22) $527 + (-289) =$	27) $-32 + 98 =$
23) $-47 + (-95) =$	28) $-51 + 134 =$
24) $-3 + 4 =$	29) $-3 + (-4) =$

30) The average daily temperature in Denton went from -8°F in January to 43°F in March. What was the change in average daily temperature from January to March? (Multiple Choice)

- The average temperature rose 51°F .
- The average temperature rose 35°F .
- The average temperature fell 51°F .
- The average temperature fell 35°F .

