

Assignment

Write

Explain how walking the line is the same as representing addition and subtraction on the number line.

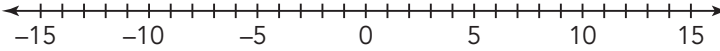
Remember

When adding a positive integer on a number line, move to the right on the number line. When adding a negative integer, move to the left on the number line.

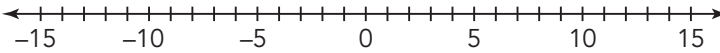
Practice

Use the number line to determine each sum. Show your work.

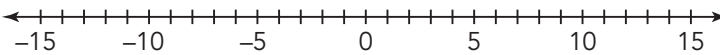
1. $-6 + 4$



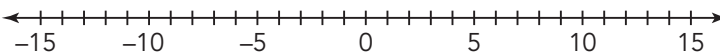
2. $-9 + (-2)$



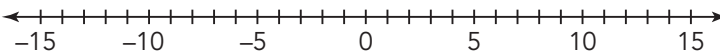
3. $13 + (-12)$



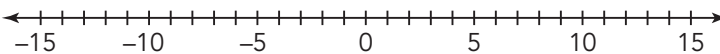
4. $7 + (-14)$



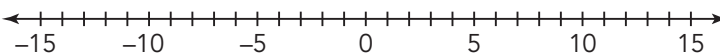
5. $7 + (-1)$



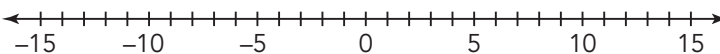
6. $3 + (-13)$



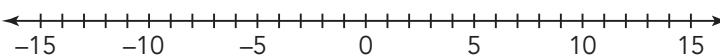
7. $8 + (-8)$



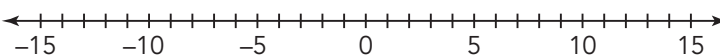
8. $-2 + 8$



9. $-13 + 3$

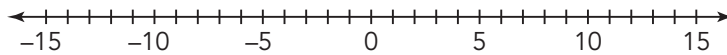


10. $0 + (-12)$

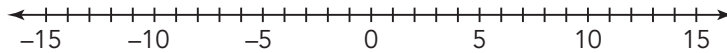


Complete each number line model and number sentence.

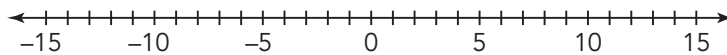
1. $-4 + \underline{\hspace{1cm}} = 0$



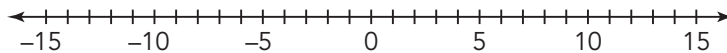
2. $-15 + \underline{\hspace{1cm}} = -9$



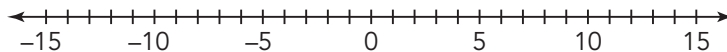
3. $\underline{\hspace{1cm}} + 10 = -2$



4. $\underline{\hspace{1cm}} + (-11) = -4$



5. $-12 + \underline{\hspace{1cm}} = -14$



Stretch

Draw a number line model to determine each sum.

1. $-1.6 + -0.7$

2. $-2.1 + 0.8$

3. $2.2 + -4.1$

Review

Northern Tier Gardens has hired you for a summer job installing water gardens. They have circular water garden pools available in a variety of sizes. The manager has asked you to create a table to show the circumference and area of the company's various water garden pools. Use 3.14 for π and round each answer to the nearest hundredth.

Garden Name	Radius (feet)	Diameter (feet)	Area (square feet)	Circumference (feet)
Atlantic	2.5	5		
Pacifica	6	12		
Mediterranean	1.75	3.5		
Baltica	1	2		
Japanesque	2.25	4.5		
Floridian	3.25	6.5		