Unit 4, Lesson 7

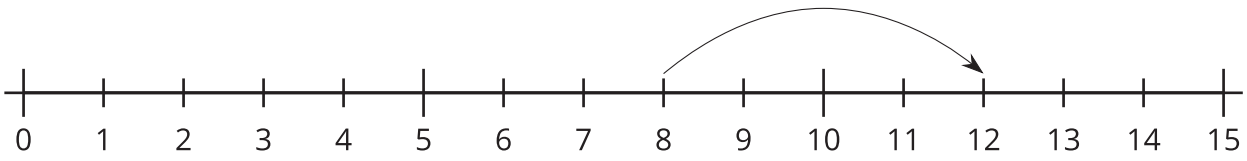
Addition and Subtraction on the Number Line

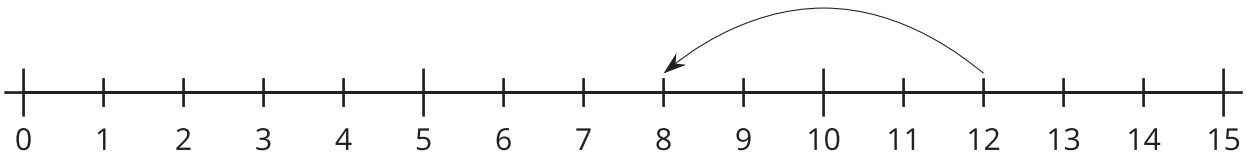
Let's match equations to number lines.

Warm-up

Notice and Wonder: Jumps on the Number Line

What do you notice? What do you wonder?



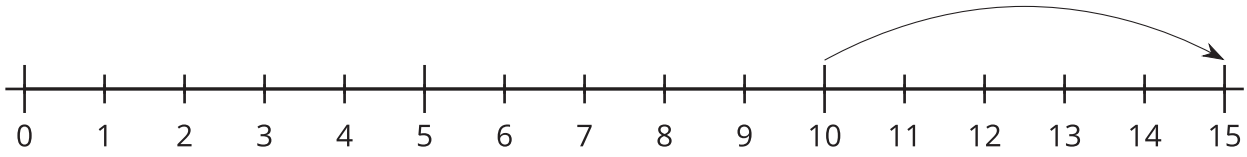


Activity 1

Add and Subtract

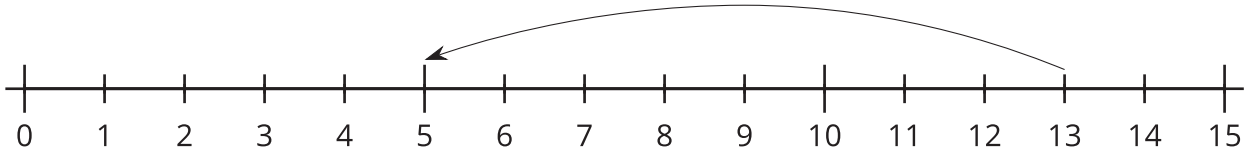
Circle the equation each number line represents.

1.



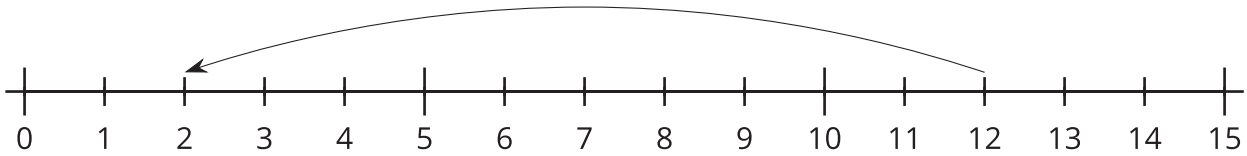
$10 + 5 = 15$ $15 - 5 = 10$

2.



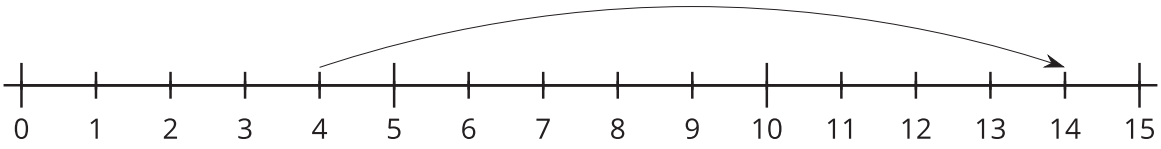
$8 + 5 = 13$ $13 - 8 = 5$

3.



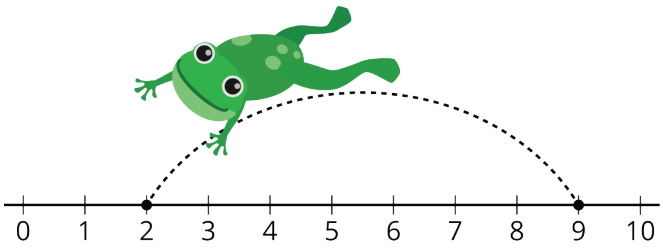
$12 - 2 = 10$ $12 - 10 = 2$

4. a.



$4 + 10 = 14$ $10 + 4 = 14$

b. Why doesn't the other equation match the number line? Explain your reasoning.

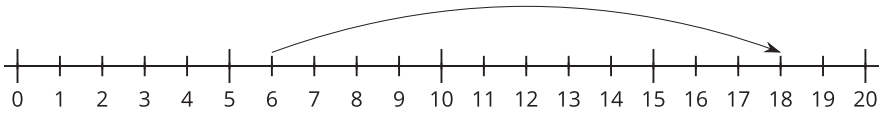


Activity 2

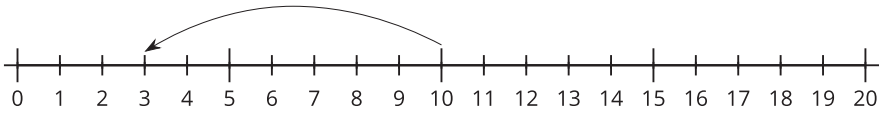
Number Lines and Equations

1. Cut out the equations.
2. Paste each equation next to the number line that represents it.
3. Paste the equation that didn't have a match. Represent it on the blank number line.

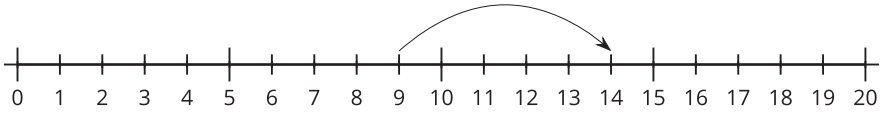
a.



b.



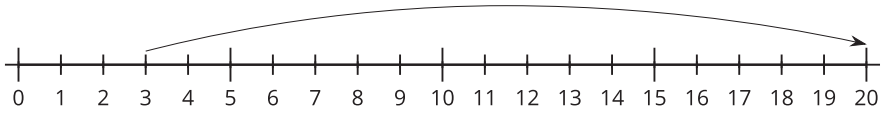
c.



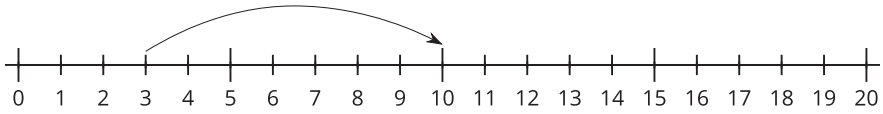
d.



e.



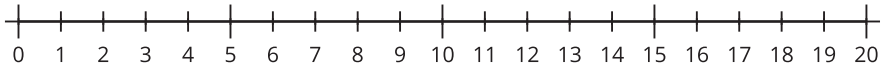
f.



g.



h.



$3 + 7 = 10$	$10 - 7 = 3$	$12 + 6 = 18$	$6 + 12 = 18$
$14 - 5 = 9$	$9 + 5 = 14$	$20 - 3 = 17$	$3 + 17 = 20$