



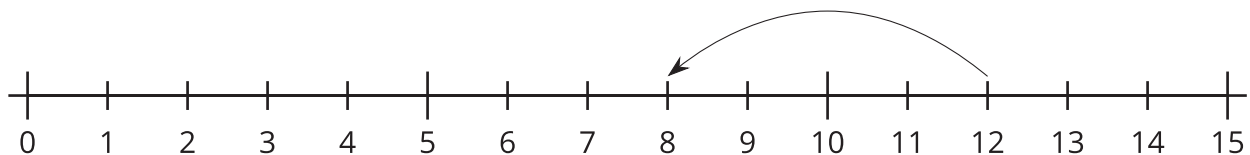
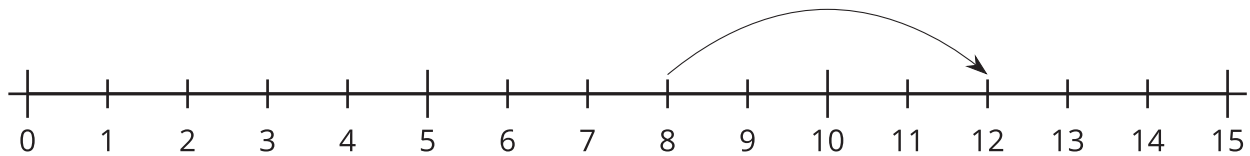
Addition and Subtraction on the Number Line

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?

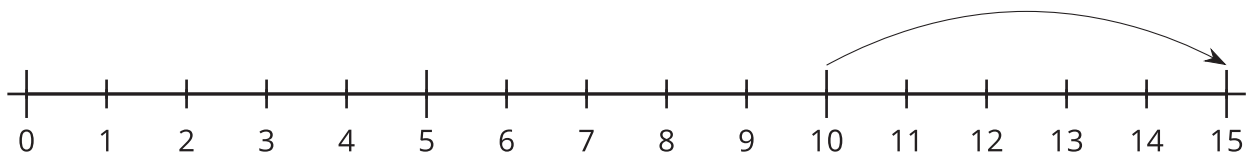


Activity 1

Add and Subtract

Circle the equation each number line represents.

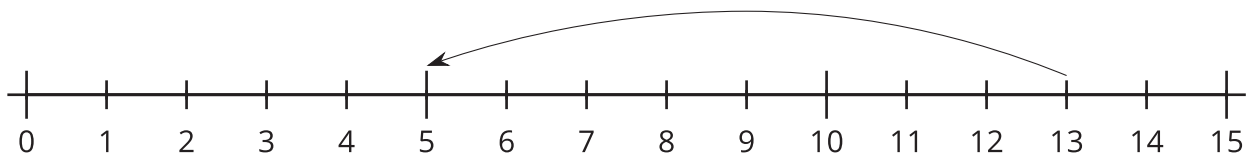
1.



$$10 + 5 = 15$$

$$15 - 5 = 10$$

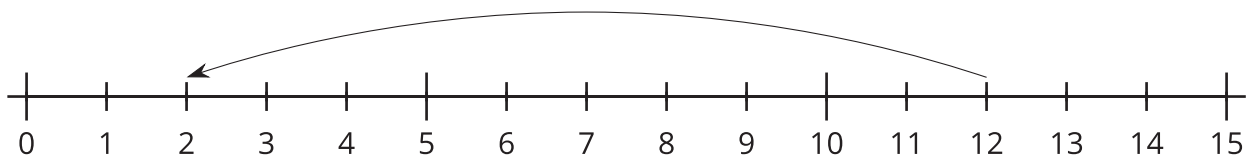
2.



$$8 + 5 = 13$$

$$13 - 8 = 5$$

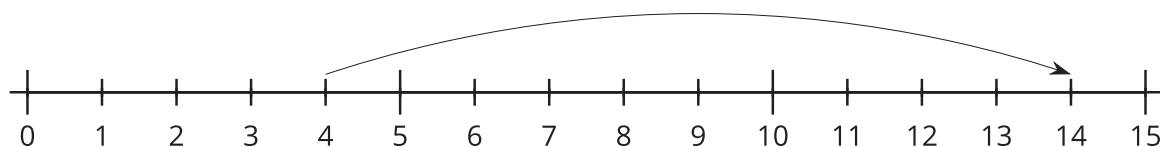
3.



$$12 - 2 = 10$$

$$12 - 10 = 2$$

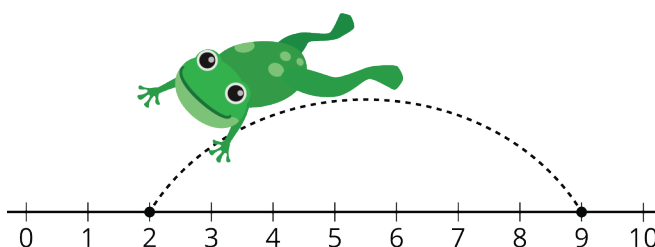
4. a.



$$4 + 10 = 14$$

$$10 + 4 = 14$$

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

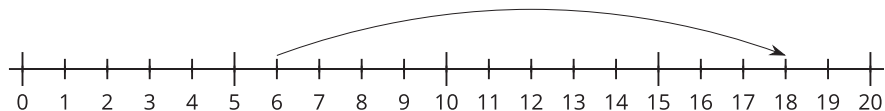


Activity 2

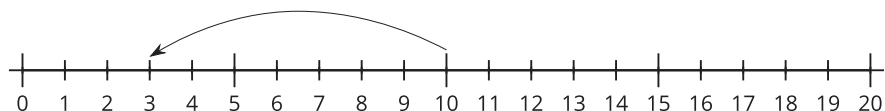
Number Lines and Equations

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.

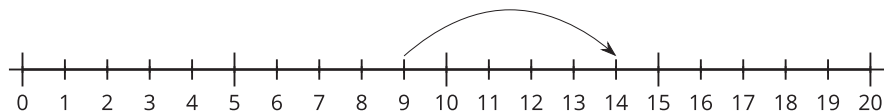
a.



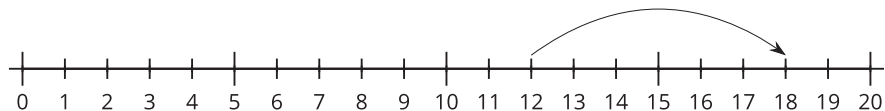
b.



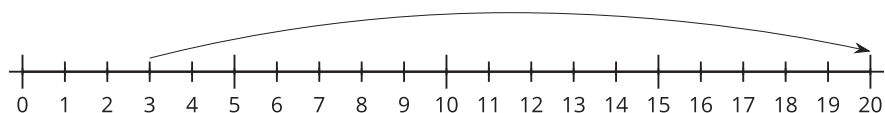
c.



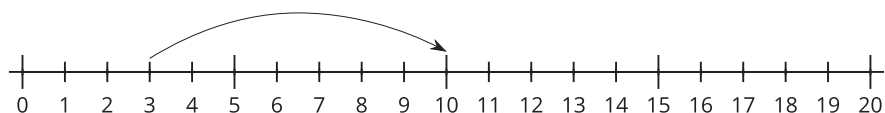
d.



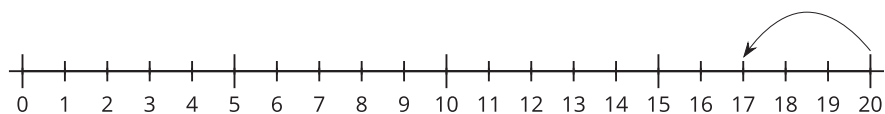
e.



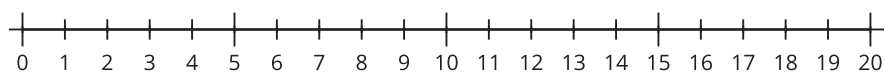
f.



g.



h.



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

