

11.2

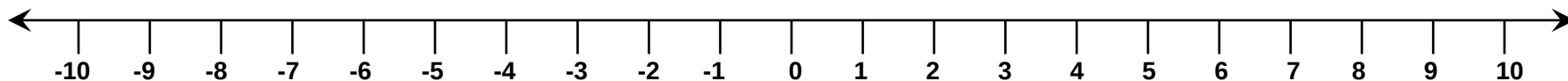
Adding Integers 2

Essential Question

How are adding integers and subtracting integers related?

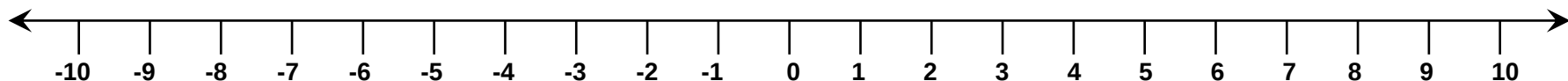
Adding Integers on a Number Line

- Start at zero
- When the number is positive count to the right.
- When the number is negative count to the left.

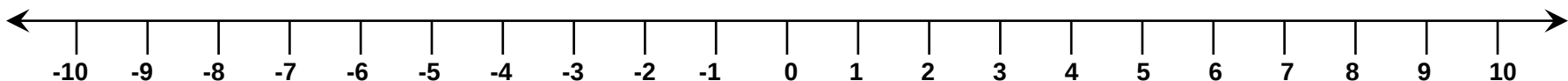


Illustrate using arrows the following problems. Afterwards, indicate the answer.

1) $-3 + (-5) =$

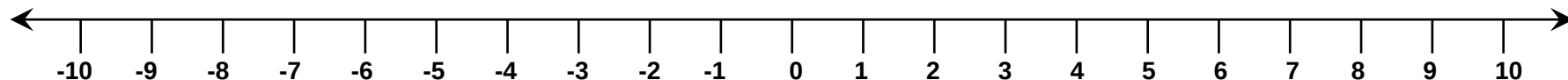


2) $-9 + 6 =$

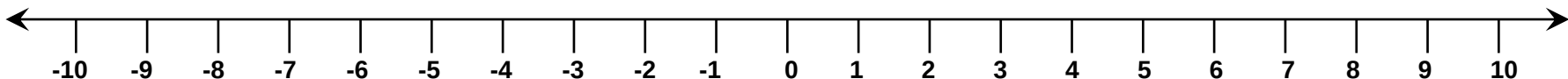


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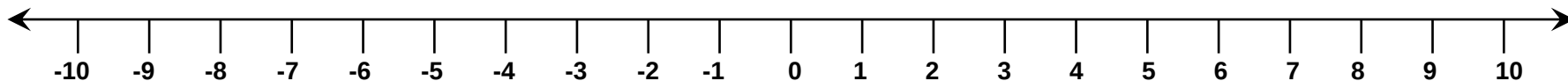
3) $-4 + (-6) =$



4) $4 + (-6) =$

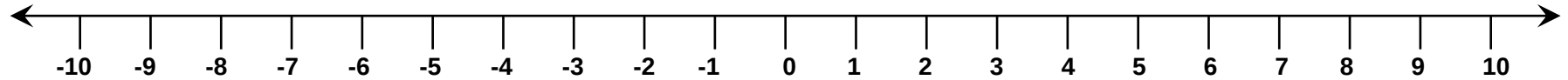


5) $-7 + 13 =$

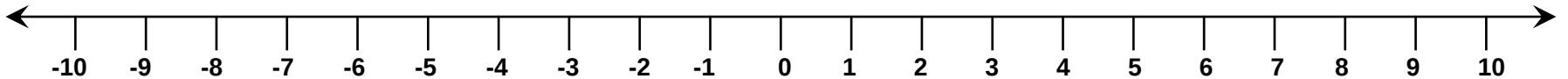


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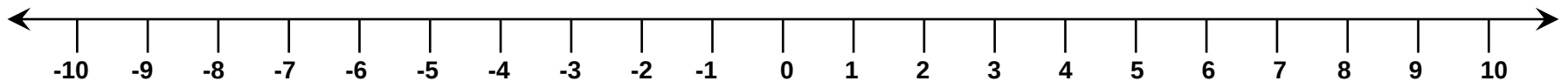
6) $8 + (-13) =$



7) $-6 + 15 =$



8) $-9 + 5 =$



Adding Integers without a number line

$$-3 + -5 =$$

$$-1 + -3 =$$

$$-6 + -2 =$$

$$-9 + -14 =$$

$$-12 + -8 =$$

SAME SIGN

- Ignore the signs
- Add numbers
- Put sign back

Adding Integers without a number line

$$-3 + 5 =$$

$$-1 + 6 =$$

$$-5 + 9 =$$

$$5 + -7 =$$

$$8 + -6 =$$

$$14 + -18 =$$

DIFFERENT SIGNS

- Ignore the signs
- Subtract
- Put sign back of number that “looks” the biggest

Practice

Work with a partner.

Exercise	Sum: Positive, Negative, or Zero	Sum
6. $-4 + (-3)$		
7. $-3 + 2$		
8. $5 + (-3)$		
9. $7 + (-7)$		
10. $2 + 4$		
11. $-6 + (-2)$		
12. $-5 + 9$		
13. $15 + (-9)$		
14. $-10 + 10$		
15. $-6 + (-6)$		
16. $13 + (-13)$		

SAME SIGN

- Ignore the signs
- Add numbers
- Put sign back

DIFFERENT SIGNS

- Ignore the signs
- Subtract
- Put sign back of
number that “looks”
the biggest