11.2
Adding Integers 2

Essential Question

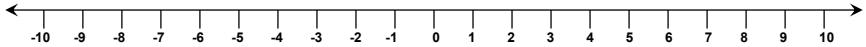
How are adding integers and subtracting integers related?

Today's Learning Goals:

- Add integers using a number line
- Add integers using rules

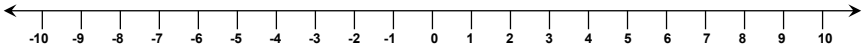
Adding Integers on a Number Line

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

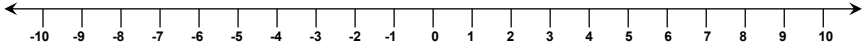


Illustrate using arrows the following problems. Afterwards, indicate the answer.

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

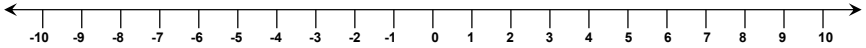


2) $-9+6=$

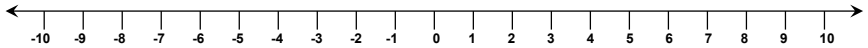


Illustrate using arrows the following problems. Afterwards, indicate the answer.

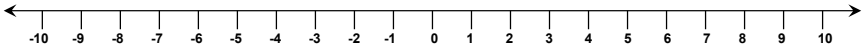
3) $-4+(-6)=$



4) $4+(-6)=$

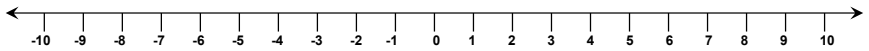


5) $-7+13=$

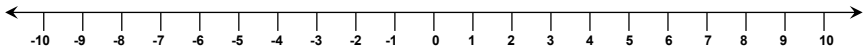


Illustrate using arrows the following problems. Afterwards, indicate the answer.

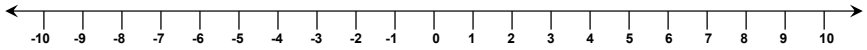
6) $8+(-13)=$



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