NUMBER LINE

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 07
CHAPTER NAME: NUMBER LINE
SUBTOPIC :Using Number line for Addition and Subtraction
PERIOD NO: 2

Learning outcomes

- Students will be able to connect negative numbers in daily life situations.
- Students will develop application skill.
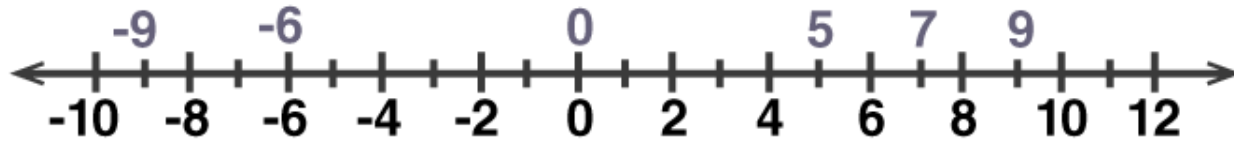- Students will be able to add and subtract integers on number line .

Negative numbers and Integers

- Students will learn Addition and subtraction of integers on number line with the help of a video
- https://www.youtube.com/watch?v=A186iWp5vKQ
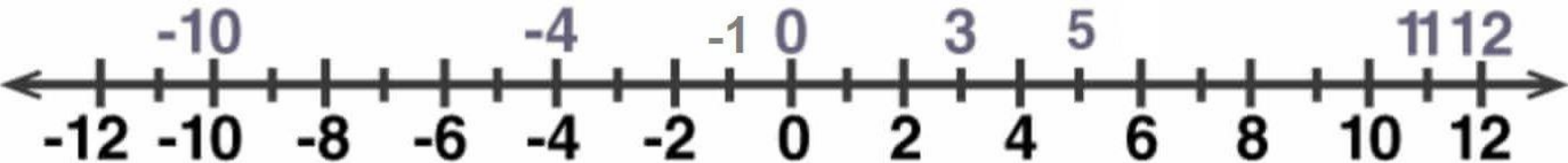
Previous knowledge test

Q1) -6, 7, 0, -9, 5 and 9
Draw a number line for given integers and mark on it all the integers

Q2) Use a number line to write the following integers
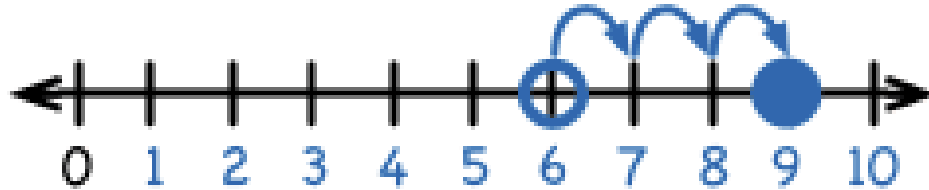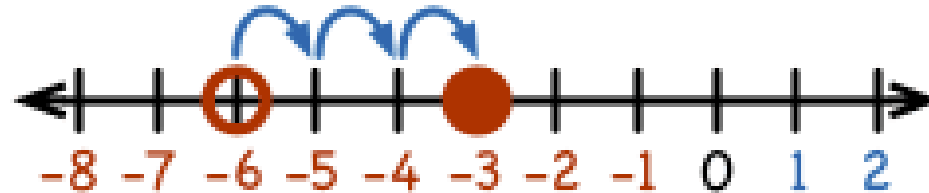**in descending (decreasing) order:**
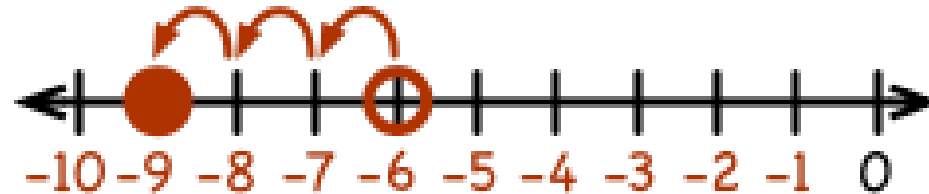**(i) -10, 0, 3, -4, 12, 11, -1 and 5**

Number Line

Find the Sum:

$6+3=9$

$-6+3=-3$

$-6+(-3)=-9$

Evaluation Question

1. (i) (+7) + (+4) (ii) 0 + (+6) (iii) (+5) + 0
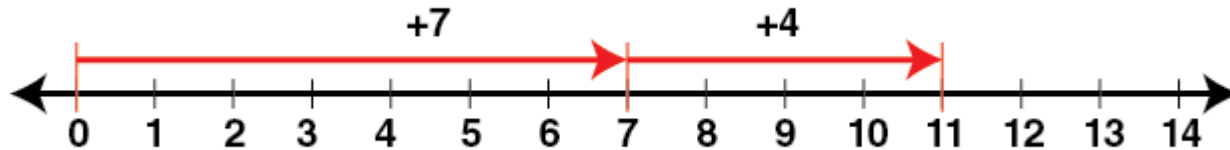**2. (i) (-4) + (+5) (ii) 0 + (-2) (iii) (-1) + (+4)**
3. (i) (+4) + (-2) (ii) (+3) + (-6) (iii) 3 + (-7)
4. (i) (-1) + (-2) (ii) (-3) + (-4) (iii) (-2) + (-5)

1. (i) (+7) + (+4)

Move 7 units to the right of zero for (+7) and move 4 units to the right of +7 for (+4)
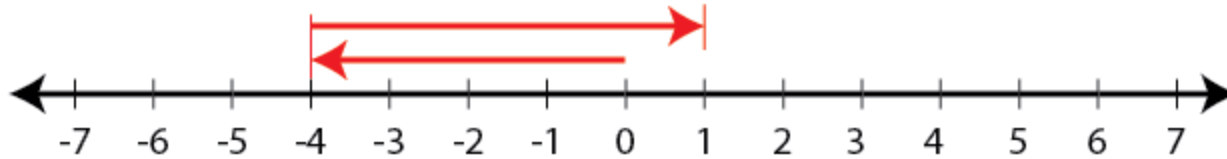
Hence, (+7) + (+4) = +11

Evaluation Question

2. (i) (-4) + (+5)
Move 4 units to the left of 0 for (-4) and move 5 units to the right of -4 for (+5)
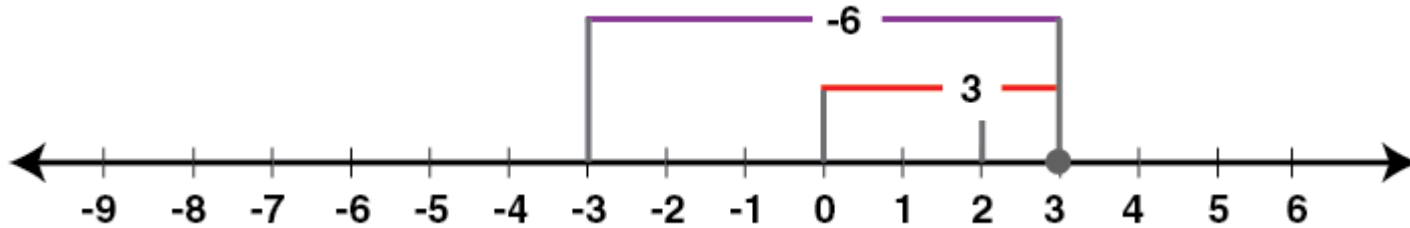Hence, (-4) + (+5) = +1

Evaluation Question

3. (i) (+4) + (-2)
Move 4 units to the right of 0 for (+4) and move 2 units to the left of +4 for (-2)
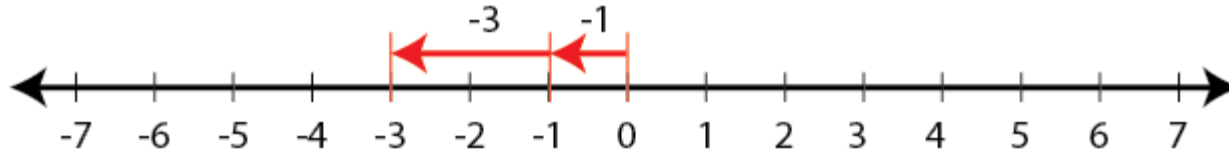Hence, (+3) + (-6) = -3

Evaluation Question

4. (i) (-1) + (-2)
From 0, move 1 unit to the left for (-1) and move 2 units to the left of -1 for (-2)

Hence, (-1) + (-2) = -3

Additional Homework

1. Write the following integers in decreasing order:

(i) – 15, 0, -2, -9, 7, 6, -5, 8

(ii) -154, 123, -205, -89, -74

2. Using the number line, write the integer which is:

(i) 2 more than 3

(ii) 5 less than 3

(iii) 4 more than – 9

**HW
Ex.7B**

THANKING YOU
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