

ACTIVITY NO. - 6

Subject	MATHEMATICS
Class	VI
Chapter/Unit	Integers
Topic	Subtraction of Integers
Time	30 minutes
Nature of Activity	Individual

What will I learn (Learning outcome)?

To perform subtraction on Integers.

Skills:- Performing, Psychomotor Coordination, Perceiving, Analyzing, Correlating

What I have to do?

To perform subtraction on Integers , say $(a - b)$, where a and b are integers.

What do I require?

Coloured papers, geometry box and adhesive.

What do I need to know?

Concept of Integers and Basic fundamental operations.

➤ Teacher's Activity

Teacher will enable the students to recall the concept of integers, basic fundamental operations and will explain the steps of the activity.

How will I proceed?

➤ Student's Activity

- Let's solve a problem as $(-2) - (-5)$, where $a = -2$ and $b = -5$ are integers.
{It is same as doing $-2 + (-5)$ }
- Make same sized squares of two different colours, say red and green.
- Denote red colour square with (-1) and green colour square with $(+1)$.
- To subtract -5 from -2 , take two red squares as shown in Fig.1.

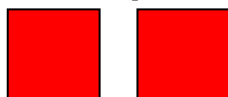


Fig.1

- Now, try to cross five red squares from it. But, there are only two red squares, so add three more red and to balance it, add three green squares also as shown in Fig.2.

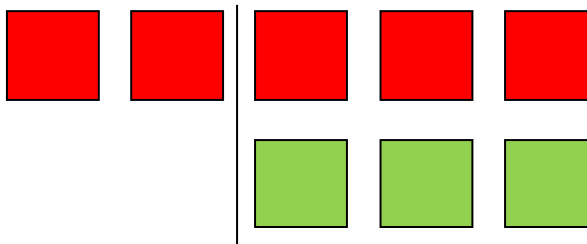


Fig.2

- Then, cross red squares from them and count the number of squares left along with their colour as shown in Fig.3.

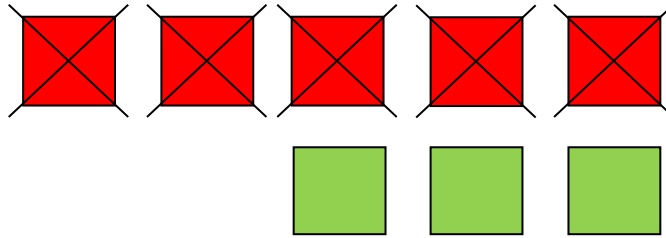


Fig.3

- There will be three green squares left as shown in Fig.4.



Fig.4

What have I observed?

Complete the following table:

a	b	a - b	Solution of a - b
-2	-5		

What have I learnt?

To perform _____ on Integers.

What am I curious to know?

Solve: $-6 - (-4)$ by activity method, where $a = -6$ and $b = -4$.

Let me evaluate myself

- Subtract the following:

(a) 17 from (-13)

(b) (-24) from (-35)

- The sum of two integers is -56. If one of the integers is -27, find the other.

3. Find:

(a) $45 - (-16)$

(b) $(-20) - (-20)$

4. Fill in the blanks using appropriate sign:

(a) $(-28) - 39$ _____ $45 - 36$

(b) $60 - (-18)$ _____ $63 - (-19)$

(c) $(-30) - 6$ _____ $(-44) - (-10)$

(d) $55 - 55$ _____ $(-13) - (-13)$

5. A submarine was situated 800 feet the sea level. If it ascends 250 feet, what is its new position?
