

Delhi International Sr. Sec. School

Day: Thursday  
Date: April 9, 2020

Mathematics  
Class-VII

Chapter-1 continue...  
Chapter Name - Integers

Exercise-1.2

Ques.1 Write a pair of integers whose:

a) Sum is -7.  
Ans.  $-5 + (-2) = -7$

b) difference is -10.  
Ans.  $-2 - 8 = -10$

c) Sum is 0  
Ans.  $-5 + 5 = 0$

Ques.2 a) Write a pair of negative integers whose difference gives 8.

Ans.  $-2 - (-10) = -2 + 10 = 8$

b) Write a negative integers and a positive integers whose <sup>sum</sup> is -5.

Ans.  $(-7) + 2 = -5$

Ques.3 - In a quiz, team A scored -40, 10, 0 and Team B scores 10, 0, -40 in three rounds. Which team scored more? Can we say that we can add integers in any order?

Ans. Team A scored = -40, 10, 0  
Total scored of Team A =  $(-40) + 10 + 0 = -30$

Team B scored = 10, 0, -40  
Total score of Team B =  $10 + 0 + (-40) = -30$

So, Scores of both teams are same.  
Yes, we can add integers in any order due to commutative property.

Ques 4 Fill in the blanks to make the following statements true.

i)  $(-5) + (-8) = (-8) + (\quad)$

Ans.  $(-5) + (-8) = (-8) + (-5)$  [commutative property]

ii)  $-53 + \quad = -53$

Ans.  $-53 + 0 = -53$  [zero additive property]

iii)  $17 + \quad = 0$

Ans.  $17 + (-17) = 0$  [Additive property]

iv)  $[13 + (-12)] + (\quad) = 13 + [(-12) + (-7)]$

Ans.  $[13 + (-12)] + (-7) = 13 + [(-12) + (-7)]$   
[Associative property]