

# Mathematics

Class - VII

Day: Wednesday

Chapter - 1

Date: 15<sup>th</sup> April, 2020

## Exercise - 1.4

Ques. 2. Verify that  $a \div (b+c) \neq (a \div b) + (a \div c)$  for each of the following values of  $a, b$  and  $c$ .

a)  $a = 12, b = -4, c = 2$

Ans. Given :  $a \div (b+c) \neq (a \div b) + (a \div c)$

Taking L.H.S  
 putting values  $a \div (b+c)$   
 $12 \div (-4+2)$   
 $12 \div (-2)$   
 $\frac{12}{-2} = -6$

Taking R.H.S  $(a \div b) + (a \div c)$   
 $[12 \div (-4)] + (12 \div 2)$   
 $-3 + 6$   
 $= 3$

So, L.H.S  $\neq$  R.H.S

b)  $a = (-10), b = 1, c = 1$

Ans. Given :  $a \div (b+c) \neq (a \div b) + (a \div c)$

Taking L.H.S  $(-10) \div (1+1)$   
 $(-10) \div 2$   
 $= -5$

Taking R.H.S  $[(-10) \div 1] + [(-10) \div 1]$   
 $(-10) + (-10)$   
 $= -20$

So, L.H.S  $\neq$  R.H.S

Ques. 3 Fill in the blanks:

- a)  $369 \div \underline{\hspace{2cm}} = 369$  Ans.  $369 \div 1 = 369$   
 b)  $(-75) \div \underline{\hspace{2cm}} = (-1)$  Ans.  $(-75) \div 75 = (-1)$   
 c)  $(-206) \div \underline{\hspace{2cm}} = 1$  Ans.  $(-206) \div (-206) = 1$   
 d)  $(-87) \div \underline{\hspace{2cm}} = 87$  Ans.  $(-87) \div (-1) = 87$   
 e)  $\underline{\hspace{2cm}} \div 1 = -87$  Ans.  $(-87) \div 1 = -87$   
 f)  $\underline{\hspace{2cm}} \div 48 = -1$  Ans.  $(-48) \div 48 = -1$   
 g)  $\underline{\hspace{2cm}} \div 10 = -2$  Ans.  $(-20) \div 10 = -2$   
 h)  $\underline{\hspace{2cm}} \div 4 = -3$  Ans.  $(-12) \div 4 = -3$

Ques. 4 Write five pairs of integers (a, b) such that  $a \div b = -3$ . One such pair is (6, -2) because  $6 \div (-2) = -3$

- Ans. (i)  $(-6) \div 2 = -3$   
 (ii)  $9 \div (-3) = -3$   
 (iii)  $12 \div (-4) = -3$   
 (iv)  $(-9) \div 3 = -3$   
 (v)  $(-15) \div 5 = -3$

Homework

Do these questions in fair notebook.

*[Signature]* 14/03/2020