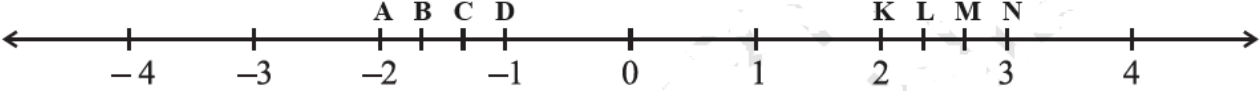


INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics
WORKSHEET- (OTQ)
RATIONAL NUMBERS

Multiple Choice questions

Q.1	The standard form of rational number $\frac{22}{-33}$			
	A	$\frac{3}{-2}$	B	$\frac{-2}{3}$
			C	$\frac{-33}{22}$
			D	$\frac{-22}{33}$
Q.2	By what rational number should $\frac{63}{14}$ be multiplied to get $\frac{27}{16}$?			
	A	$\frac{3}{4}$	B	$\frac{9}{7}$
			C	$\frac{3}{8}$
			D	$\frac{3}{4}$
Q.3	The sum of two rational numbers is $\frac{-7}{4}$. If one of them is $\frac{-7}{3}$, find the other.			
	A	$\frac{-7}{12}$	B	$\frac{-21}{4}$
			C	$\frac{7}{12}$
			D	$\frac{-28}{3}$
Q.4	A vessel can hold $10\frac{1}{4}$ litres of milk. Jagan took $5\frac{1}{2}$ litres of milk from the vessel. How much milk will be left in the vessel?			
	A	$4\frac{3}{4}$	B	$5\frac{1}{4}$
			C	$5\frac{3}{4}$
			D	$4\frac{1}{4}$
Q.5	Which is the least number among the following: $\frac{7}{2}, \frac{4}{3}, \frac{7}{12}, \frac{5}{4}$			
	A	$\frac{7}{2}$	B	$\frac{4}{3}$
			C	$\frac{7}{12}$
			D	$\frac{5}{4}$
Q.6	From a ribbon of 68 cm long, pieces of equal size are cut. If length of one piece is $4\frac{1}{4}$ cm, find the number of such pieces.			
	A	17	B	15
			C	10
			D	16
Q.7	$\frac{2}{3} \div (-1)$			
	A	$\frac{3}{2}$	B	$\frac{-3}{2}$
			C	$\frac{-2}{3}$
			D	$\frac{-5}{3}$

Q.8	Which of the following statements is not correct?						
A	$\frac{7}{12} < \frac{5}{4}$	B	$0 \div \frac{-2}{9} = 0$	C	$\frac{3}{4} > \frac{1}{2}$	D	$\frac{16}{12} = \frac{3}{4}$
Q.9	Among the following rational numbers, which number lie between $\frac{2}{-9}$ and $\frac{3}{-5}$:						
A	$\frac{-3}{5}$	B	$\frac{-1}{3}$	C	$\frac{1}{5}$	D	$\frac{-2}{9}$
Q.10	The reciprocal of $\frac{1}{-2} \times \frac{-2}{3}$						
A	$\frac{-1}{3}$	B	$\frac{-3}{4}$	C	3	D	6
<p>Source Based Questions:</p> <p>Raj, Janu, John and Geetha were playing in the ground. They were standing in the positions which is marked on the number line as A, D, K and N. The points A, B, C, D, K, L, M and N on the number line are such that, $DC = CB = BA$ and $NM = ML = LK$. After some time, they changed the positions. At this context answer the following questions:</p> 							
Q.11	If Raj moved to the new position 'L', name the rational number represented by L.						
A	$\frac{-4}{3}$	B	$\frac{7}{3}$	C	$\frac{-5}{3}$	D	$\frac{2}{6}$
Q.12	If Geetha moved to the new position 'C', name the rational number represented by C.						
A	$\frac{-4}{3}$	B	$\frac{-3}{4}$	C	$\frac{8}{3}$	D	$\frac{-4}{8}$
Q.13	If Janu moved to the new position 'M', name the rational number represented by M.						
A	$\frac{-6}{3}$	B	$\frac{3}{4}$	C	$\frac{8}{3}$	D	$\frac{9}{3}$
Q.14	If John moved to the new position 'B', name the rational number represented by B.						
A	$\frac{6}{3}$	B	$\frac{5}{3}$	C	$\frac{-4}{3}$	D	$\frac{-5}{3}$
Q.15	Among the following numbers, which rational number is having the greatest value?						
$\frac{-5}{2}, \frac{-4}{3}, \frac{-7}{3}, \frac{-5}{4}$							
A	$\frac{-7}{3}$	B	$\frac{-5}{4}$	C	$\frac{-4}{3}$	D	$\frac{-5}{2}$

Q.16**Case Study:**

Rohit, Peter and Santosh walk around a circular park. They take $\frac{1}{3}$ hours, $\frac{1}{5}$ hours and $\frac{1}{2}$ hours to complete one round.

- i) What is the total time taken by them to complete a round in minutes?
- ii) Peter rides the bicycle $2\frac{1}{3}$ km each day. How far will he ride in $3\frac{1}{2}$ days?
- iii) If $\frac{4}{3} = \frac{x}{12}$ then x is:



ANSWERS

1.	B	2.	C	3.	C	4.	A
5.	C	6.	D	7.	C	8.	D
9.	B	10.	C	11.	B	12.	A
13.	C	14.	D	15.	B	16.	i) 62, ii) $8\frac{1}{6}$, iii) 16