

## INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics WORKSHEET-RATIONAL NUMBERS (MCQ AND CASE STUDY)

Multiple Choice questions										
Q.1.	The multiplicative inverse of $2\frac{5}{8}$									
	A	$\frac{-8}{5}$	В	$\frac{-21}{8}$	С	5 8	D	$\frac{8}{21}$		
Q.2.	Name the property illustrated: $\frac{-35}{8} \times \frac{9}{11} = \frac{9}{11} \times \frac{-35}{8}$									
	A	Associative property of addition	B	Commutative property of multiplication	C	Closure property	D	Associative property of multiplication		
Q.3.	Identify the rational numbers that lies between $\frac{-2}{5}$ and $\frac{-3}{5}$ .									
	Α	$\frac{-4}{10}$	B	$\frac{-3}{10}$	С	$\frac{-2}{10}$	D	$\frac{-5}{10}$		
Q.4.	The additive inverse of $\frac{-2}{7} \div \frac{-18}{35}$									
	A	$\frac{-5}{9}$	B	<u>5</u> 9	С	$\frac{-9}{5}$	D	<u>9</u> 5		
Q.5.	The multiplicative identity for rational numbers is									
	A	2	B	0	С	1	D	-1		
Q.6.	Name the property illustrated: $\frac{-33}{25} \times 1 = \frac{-33}{25}$									
	A	1 is the additive identity	В	1 is the multiplicative identity	C	associative	D	closure		
Q.7.	The sum of additive inverse and multiplicative inverse of 7 is									
	Α	$\frac{-6}{7}$	B	$\frac{1}{7}$	С	$\frac{-48}{7}$	D	$\frac{-50}{9}$		
Q8.	The product of two rational numbers is $\frac{-14}{27}$ . If one of the numbers be $\frac{7}{9}$ , then the other number is									
	A	$\frac{-2}{3}$	В	$\frac{2}{3}$	C	$\frac{-3}{2}$	D	$\frac{3}{2}$		

Q9.	The reciprocal of a positive rational number is									
	Α	negative	В	positive	C	zero	D	one		
Q10.	-(-x) is same as									
	А	x	В	- <i>x</i>	С	$-\frac{1}{x}$	D	$\frac{1}{x}$		
				FILL IN THE	BLAN	KS				
Q11.	The number of rational numbers between $-12$ and $-5$ is									
Q12.	The multiplicative inverse of $-4\frac{1}{3}$ is									
Q13.	The rational numbers which are their own reciprocals are									
Q14.	Rati	onal numbers ar	e commut	ative under	and _	·				
Q15.	The	product of $-9-$	$\frac{4}{3}$ and $\frac{6}{62}$	is						
	lightweight, streamlined, rigid structures for flight. The shape of a bird's wing is important for producing lift. Larger wings produce greater lift than smaller wings. So, the smaller-winged birds need to fly faster to maintain the same lift as those with larger wings. The diagram shows the wing spans of four different species of birds.									
Q16.	How much longer is the wingspan of an Albatross than the wingspan of a Sea gull?									
	A	$\frac{23}{10} m$	В	$\frac{19}{10}m$	C	$\frac{53}{10}$ m	D	$\frac{21}{10} m$		
Q17.	How	much longer is	the wings	pan of a Golden eag	gle than	the wingspan of a B	lue ja	ay?		
	А	$\frac{209}{10} m$	В	$\frac{209}{100} cm$	C	20.9 m	D	$\frac{209}{100} m$		

Q18.	Find the value of $\frac{5}{6} \times 1\frac{7}{10} + 2\frac{1}{2} \times \frac{5}{6}$ using suitable property.							
	А	$\frac{7}{2}$	В	35 12	С	27	D	12 35
Q19.	Name the property used in this calculation: $\frac{41}{100} + 2\frac{1}{2} = \frac{291}{100}$							
	Α	commutative	B	closure	С	associative	D	reciprocal
Q20.	Find the product of : multiplicative inverse of $1\frac{7}{10}$ and additive inverse of $3\frac{1}{11}$							
	Α	<u>-20</u> <u>11</u>	В	$\frac{-34}{11}$	С	$\frac{-11}{20}$	D	$\frac{20}{11}$

## ANSWERS

1.	D	2.	В	3.	D	4.	А
5.	С	6.	В	7.	С	8.	А
9.	В	10.	А	11.	infinite	12.	-3
							13
13.	1 and $-1$	14.	Addition and	15.	-1	16.	В
			multiplication				
17.	D	18.	А	19.	В	20.	А