INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics

WORKSHEET- (MCQ)

Multiple Choice questions

Q.1.	The multiplicative inverse of $\left(\frac{-3}{4}\right) \times \left(\frac{-7}{13}\right)$ is							
	A	$\frac{52}{21}$	B	$\frac{-52}{21}$	C	$\frac{21}{52}$	D	$\frac{-21}{52}$
Q.2.	The rational numbers which are their own reciprocals							
	A	1 and 0	B	-1 and 0	C	1 and 2	D	1 and -1
Q.3.	The number of rational numbers between $\frac{2}{3}$ and $\frac{3}{4}$							
	A	Zero	B	One	C	Infinite	D	Two
Q.4.	The product of $2\frac{3}{5}$ with the reciprocal of $-1\frac{11}{15}$							
	A	$\frac{-3}{2}$	B	$\frac{3}{2}$	C	$\frac{-2}{3}$	D	$\frac{2}{3}$
Q.5.	The product of a rational number and its multiplicative inverse is							
	A	Any rational number	B	zero	C	one	D	Cannot be determined
Q.6.	The additive inverse and multiplicative inverse of $\frac{-6}{5} \times 2\frac{1}{3}$							
	A	$\frac{-14}{5}, \frac{5}{14}$	B	$\frac{14}{5}, \frac{-5}{14}$	C	$\frac{5}{14}, \frac{-5}{14}$	D	$\frac{5}{14}, \frac{-14}{5}$
Q.7.	Find using suitable property: $\frac{-7}{9} \times \frac{-4}{5} + \frac{-4}{15} \times \frac{-7}{9}$							
	A	$\frac{14}{45}$	B	$\frac{112}{15}$	C	$\frac{135}{112}$	D	$\frac{112}{135}$
Q8.	The property used in $\frac{-29}{25} \times \frac{25}{-29} = 1$							
	A	Associativity	B	Commutativity	C	Multiplicative inverse	D	Multiplicative identity

Q9	The product of $\frac{3}{7} \times \frac{15}{16} \times \left(\frac{-14}{9}\right)$						
	A	$\frac{-5}{8}$	B	$\frac{-90}{153}$	C	$\frac{-105}{143}$	D	$\frac{-45}{112}$
Q10	The rational number lies between $\frac{2}{3}$ and $\frac{3}{4}$ is						
	A	$\frac{40}{30}$	B	$\frac{95}{12}$	C	$\frac{85}{120}$	D	$\frac{75}{120}$

FILL IN THE BLANKS

Q11	The rational number that does not have a reciprocal is _____,
Q12	The identity for addition of Rational numbers is _____.
Q13	The product of $\frac{13}{15}$ and additive inverse of $\frac{-5}{26}$ is _____.
Q14	Rational number which is equal to its additive inverse is _____
Q15	Rational numbers is not closed under _____

CASE STUDY:

Four friends had a competition to see how far could they hop on one foot. The table given shows the distance covered by each.

Name	Distance covered (km)
Seema	$\frac{1}{25}$
Nancy	$\frac{1}{32}$
Megha	$\frac{1}{40}$
Soni	$\frac{1}{20}$

Q 16	How farther did Soni hop than Nancy (in km)?						
	A	$\frac{7}{160}$	B	$\frac{5}{160}$	C	$\frac{1}{12}$	D	$\frac{3}{160}$

Q 17	What is the total distance covered by Seema and Megha?							
	A	$\frac{2}{65}$	B	$\frac{13}{200}$	C	$\frac{1}{200}$	D	$\frac{7}{65}$
Q 18	Who walked farthest?							
	A	Seema	B	Nancy	C	Megha	D	Soni
Q 19	If Himesh covered four times the distance covered by Nancy, what is the distance covered by Himesh (in km)?							
	A	$\frac{1}{5}$	B	$\frac{1}{32}$	C	$\frac{1}{8}$	D	$\frac{1}{10}$
Q 20	If Seema, Nancy, Megha and Soni had participated in a relay, what would be the total distance covered by them together?							
	A	$\frac{117}{800}$	B	$\frac{4}{117}$	C	$\frac{117}{3200}$	D	$\frac{1}{4}$

ANSWERS

1.	A	2.	D	3.	C	4.	A
5.	C	6.	B	7.	D	8.	C
9.	A	10.	C	11.	Zero	12.	zero
13.	$\frac{1}{6}$	14.	zero	15.	Division	16.	D
17.	B	18.	D	19.	C	20.	A