



INDIAN SCHOOL AL WADI AL KABIR
CLASS IX, MATHEMATICS
MCQ – WORKSHEET ON RATIONAL NUMBERS
 25-04-2021

Q.1.		In between two rational number there is/are:					
A	Exactly one rational number	B	Infinitely many rational	C	Many irrational numbers	D	Many irrational numbers
Q.2.		A rational number equivalent to $\frac{5}{7}$ is:					
A	$\frac{15}{17}$	B	$\frac{25}{27}$	C	$\frac{10}{14}$	D	$\frac{10}{27}$
Q.3.		If the decimal representation of a rational number is non-terminating, non-recurring then the number is:					
A	a natural number	B	a whole number	C	a fraction	D	an irrational number
Q.4.		Which of the following is irrational?					
A	$\sqrt{\frac{4}{9}}$	B	$\frac{\sqrt{12}}{\sqrt{3}}$	C	$\sqrt{5}$	D	$\sqrt{81}$
Q.5.		On adding $2\sqrt{3}$ and $3\sqrt{2}$, we get					
A	$5(\sqrt{3} + \sqrt{2})$	B	$5\sqrt{5}$	C	$2\sqrt{3} + 3\sqrt{2}$	D	None of these
Q.6.		$\sqrt{12} \times \sqrt{15}$ is equal to:					
A	$5\sqrt{6}$	B	$6\sqrt{5}$	C	$10\sqrt{5}$	D	$\sqrt{25}$
Q.7.		The value of $\sqrt[4]{(16)^{-2}}$					
A	$\frac{1}{16}$	B	$\frac{1}{4}$	C	$\frac{1}{2}$	D	4
Q.8.		On simplifying $8^3 \times 2^4$, we get					
A	16^7	B	2^{13}	C	2^{10}	D	8^4

Q.9.	For rationalizing the denominator of the expression $\frac{1}{\sqrt{12}}$ we multiply and divide by							
	A	$\frac{1}{\sqrt{12}}$	B	12	C	$\sqrt{2}$	D	$\sqrt{3}$
Q.10.	Which of the following is irrational?							
	A	0.4014001400 014...	B	0.14	C	$\overline{0.1416}$	D	$0.14\overline{16}$
Q.11.	The decimal expansion of $\sqrt{2}$ is							
	A	finite decimal	B	1.4121	C	non-terminating recurring	D	non-terminating non-recurring
Q.12.	Can we write 0 in the form of $\frac{p}{q}$							
	A	Yes	B	No	C	Cannot be explained	D	None of the above
Q.13.	Which of the following is equal to X^3							
	A	$X^6 - X^3$	B	$X^6 \cdot X^3$	C	$\frac{X^6}{X^3}$	D	$(X^6)^3$
Q.14.	The value of $\frac{2^0 + 7^0}{5^0}$ is:							
	A	$\frac{9}{5}$	B	0	C	$\frac{1}{5}$	D	2
Q.15.	The rational number $\frac{3}{40}$ is equal to:							
	A	0.75	B	0.12	C	0.012	D	0.075
ANSWERS	Q.1. B		Q.2 C		Q.3. D		Q.4 C	
	Q.5. C		Q.6 B		Q.7 C		Q.8 B	
	Q.9. D		Q.10 A		Q.11. D		Q.12 A	
	Q.13. C		Q.14. D		Q.15 D			