



INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics *REVIEW WORKSHEET INDICES*

OBJECTIVE TYPE QUESTIONS(1 Mark)

Q.1.	The value of $(5^0+3^0) \times (2^0+4^0)$							
	A	1	B	2	C	0	D	4
Q.2.	The value of y , if $(\frac{2}{5})^{2y} \times (\frac{2}{5})^3 = (\frac{2}{5})^{11}$							
	A	7	B	4	C	6	D	-4
Q.3.	Identify the property used $(\frac{3}{5}) \times (\frac{-1}{7} + \frac{2}{5}) = (\frac{3}{5}) \times \frac{-1}{7} + (\frac{3}{5}) \times \frac{2}{5}$							
	A	Associativity	B	Distributivity	C	Commutativity	D	Identity
Q.4.	Evaluate $(3^{-1} \times 2^{-1}) \div (5)^{-2}$							
	A	$\frac{25}{6}$	B	$\frac{6}{25}$	C	$\frac{1}{150}$	D	$\frac{5}{6}$
Q.5.	The usual form of 1.489×10^{-5}							
	A	14890000	B	0.00001489	C	148900	D	0.000001489
Q.6.	The rational number lies between $\frac{2}{3}$ and $\frac{3}{4}$							
	A	$\frac{40}{30}$	B	$\frac{95}{12}$	C	$\frac{170}{240}$	D	$\frac{75}{120}$
Q.7.	Simplify : $(3^5 \times 3^4) \div 3^3$							
	A	3^{12}	B	3^6	C	3^4	D	3^4
Q.8.	The standard form of 0.0000392							
	A	0.392×10^{-5}	B	0.392×10^5	C	3.92×10^{-5}	D	3.92×10^5

Q.9.	The multiplicative inverse of $\frac{7}{8} \times \frac{1}{2}$							
	A	$\frac{7}{16}$	B	$\frac{4}{7}$	C	$\frac{16}{7}$	D	$\frac{-7}{16}$
Q.10	Simplify by laws of exponents: $\frac{125 \times 5^{-2} \times 2}{3^{-3} \times 9}$							
	A	120	B	30	C	15	D	27
Q.11	Find by using distributive property: $\frac{1}{18} \times \frac{3}{7} + \frac{1}{18} \times \frac{1}{14}$							
	A	36	B	$\frac{1}{16}$	C	$\frac{7}{56}$	D	$\frac{1}{36}$
Q.12	The value of $(\frac{2}{3})^{-3}$							
	A	$\frac{27}{8}$	B	$\frac{8}{27}$	C	$-\frac{8}{27}$	D	$-\frac{27}{8}$
Q.13	The value of $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times \frac{-14}{9}$							
	A	-2	B	$\frac{1}{2}$	C	$-\frac{1}{2}$	D	-2
Q.14	The value of $\{(\frac{1}{3})^{-1} - (\frac{1}{4})^{-1}\} + \{(\frac{1}{4})^{-1} - (\frac{1}{5})^{-1}\} + \{(\frac{1}{5})^{-1} - (\frac{1}{6})^{-1}\}^2$							
	A	-1	B	$-\frac{1}{2}$	C	-3	D	$\frac{1}{3}$
Q.15	The additive inverse of $(\frac{-4}{7}) \times (\frac{-21}{25})$							
	A	$\frac{12}{25}$	B	$\frac{25}{12}$	C	$-\frac{12}{25}$	D	$-\frac{25}{12}$
Q.16	A rational number between x and y is							
	A	$\frac{x-y}{2}$	B	$\frac{x \times y}{2}$	C	$\frac{x+y}{2}$	D	$\frac{x \div y}{2}$

Q.17	The value of $(4^{-1} + 8^{-1})$ is							
	A	$\frac{-3}{4}$	B	$\frac{-1}{12}$	C	$\frac{1}{2}$	D	$\frac{3}{8}$
Q.18	Addition of rational numbers satisfies which of the following property.							
	A	Commutativity	B	Associativity	C	Closure property	D	All of these
Q.19	The multiplicative inverse of 10^{-5} is							
	A	10	B	100000	C	500000	D	$\frac{1}{100000}$
Q.20	Expanded form of 1256.249 using exponents is							
	A	$1 \times 10^3 + 2 \times 10^2 + 5 \times 10^1 + 6 \times 10^0 + 2 \times 10^{-1} + 4 \times 10^{-2} + 9 \times 10^{-3}$	B	$1 \times 10^3 + 5 \times 10^1 + 6 \times 10^0 + 2 \times 10^{-1} + 4 \times 10^{-2} + 9 \times 10^{-3}$	C	$1 \times 10^3 + 2 \times 10^2 + 5 \times 10^1 + 6 \times 10^0 + 2 \times 10^{-1} + 4 \times 10^{-2}$	D	$2 \times 10^2 + 5 \times 10^1 + 6 \times 10^0 + 2 \times 10^{-1} + 4 \times 10^{-2} + 9 \times 10^{-3}$
Q.21	Simplified form $P^3 \times P^{-10}$ of							
	A	None	B	P^{-7}	C	P^7	D	P^3
Q.22	The value of p so that $(-3)^{p+1} \times (-3)^5 = (-3)^7$							
	A	3	B	0	C	1	D	7
Q.23	The usual form of 3.52×10^5 is							
	A	352000	B	35200000	C	0.0000352	D	352.000
Q.24	The Additive inverse of: $-1 \times \frac{2}{7}$ is							
	A	$\frac{-7}{2}$	B	$\frac{2}{7}$	C	$\frac{-2}{7}$	D	$\frac{7}{2}$
Q.25	The value of $-(-x)$ for $x = \frac{5}{7}$ is							
	A	$\frac{5}{7}$	B	$\frac{-5}{7}$	C	$\frac{7}{5}$	D	None

Q.26	The value: $\left\{\left(\frac{-2}{3}\right)^{-2}\right\}^6$ is						
A	$\left(\frac{-2}{3}\right)^{-8}$	B	$\left(\frac{-4}{9}\right)^{-2}$	C	$\left(\frac{-2}{3}\right)^{-2}$	D	$\left(\frac{-3}{2}\right)^{12}$
Q.27	The set five rational numbers between $\frac{-2}{5}$ and $\frac{1}{3}$ is						
A	$\frac{3}{5}, \frac{4}{5}, \frac{2}{5}, \frac{1}{5}, \frac{-3}{5}$	B	$\frac{-5}{15}, \frac{-4}{15}, \frac{-3}{15}, \frac{2}{15}, \frac{1}{15}$	C	$\frac{-5}{5}, \frac{-4}{5}, \frac{-3}{5}, \frac{2}{5}, \frac{1}{5}$	D	$\frac{-5}{3}, \frac{-4}{3}, \frac{-3}{3}, \frac{2}{3}, \frac{1}{3}$
Q.28	The value of $100^0 + 20^0 + 5^0$ is equal to						
A	125	B	25	C	5	D	3
Q.29	The value of $\{3^{-1} + 4^{-1} + 5^{-1}\}^0$ is						
A	1	B	12	C	3	D	4
Q.30	How many Rational no, are there in between -1 and -2 ?						
A	0	B	-1	C	Infinite	D	None

Answers	1	(D) 4	2	(B) 4	3.	(B) DISTRIBUTIVITY	4	(A) $\frac{25}{6}$
	5	(B) 0.00001489	6	(C) $\frac{170}{240}$	7	(B) 3^6	8	(c) 3.92×10^{-5}
	9	(C) $\frac{16}{7}$	10	(B) 30	11	(C) $\frac{1}{36}$	12	(A) $\frac{27}{8}$
	13	(B) $\frac{1}{2}$	14	(A) -1	15	(A) $\frac{-12}{25}$	16	(C) $\frac{x+y}{2}$
	17	(D) $\frac{3}{8}$	18	(D) All of these	19	(B) 100000	20	(A) $1 \times 10^3 + 2 \times 10^2 + 5 \times 10^1 + 6 \times 10^0 + 2 \times 10^{-1} + 4 \times 10^{-2} + 9 \times 10^{-3}$
	21	(B) P^{-7}	22	(C) 1	23	(A) 352000	24	(B) $\frac{2}{7}$
	25	(A) $\frac{5}{7}$	26	(D) $\left(\frac{-3}{2}\right)^{12}$	27	(B) $\frac{-5}{15}, \frac{-4}{15}, \frac{-3}{15}, \frac{2}{15}, \frac{1}{15}$	28	(D) 3
	29	(A) 1	30	(C) INFINITE				
