


INDIAN SCHOOL AL WADI AL KABIR
Class VIII, Mathematics
Revision Worksheet

Multiple Choice Questions (1 Mark)

1	The additive inverse of $-\frac{1}{6}$ is							
A	$-\frac{1}{6}$	B	$\frac{1}{6}$	C	$\frac{1}{4}$	D	$\frac{1}{4}$	
2	By solving $(3^{-1} - 4^{-1})^{-1}$ we get							
A	12	B	-12	C	$\frac{1}{4}$	D	$\frac{1}{3}$	
3	Express as the powers of positive exponents $\left\{\left(\frac{-3}{2}\right)^{-2}\right\}^{-3}$							
A	$\left(\frac{3}{2}\right)^6$	B	$-\left(\frac{3}{2}\right)^2$	C	$\left(\frac{-3}{2}\right)^{-3}$	D	$\left(\frac{-3}{2}\right)^6$	
4	The cost of $3\frac{1}{2}$ metres of ribbon is ₹ $1\frac{3}{4}$. Find its cost per metre.							
A	4	B	$\frac{3}{4}$	C	$\frac{1}{2}$	D	2	
5	$-(-x)$ is same as							
A	x	B	-x	C	$\frac{-1}{x}$	D	$\frac{1}{x}$	
6	The multiplicative inverse of 3^{-4}							
A	3^4	B	$\frac{4}{3}$	C	$\frac{1}{3^{-1}}$	D	$\frac{1}{3^4}$	
7	The exponential form of $p^{-4} \times p^6$ is							
A	p^6	B	p^2	C	p^{-2}	D	p^{10}	
8	Find the value of m: $(-2)^3 \times (-2)^{-6} = (-2)^{2m-1}$							
A	1	B	-1	C	3	D	-3	
9	Between two given rational numbers, we can find							
A	one and only one rational number	B	only two rational numbers	C	only ten rational numbers	D	infinitely many rational numbers.	
10	Find the value of x so that $\left(\frac{3}{5}\right)^2 \times \left(\frac{3}{5}\right)^{4x} = \left(\frac{3}{5}\right)^{10}$							

	A	$x = 6$	B	$x = 1$	C	$x = 10$	D	$x = 2$
11	The value of $(2^0 + 9^0 + 14^0)$ is							
	A	1	B	3	C	25	D	0
12	Evaluate: $\left(\frac{3}{5}\right)^{-3} \times (3)^4$							
	A	25	B	125	C	375	D	625
13	Which rational number lies between 1 and 2?							
	A	$\frac{3}{2}$	B	$\frac{1}{2}$	C	$\frac{4}{2}$	D	$\frac{5}{2}$
14	Simplify: $\frac{(-2)^2 \times 5^{-2} \times 125}{7^{-2} \times (-2)^2 \times 49}$							
	A	25	B	5	C	125	D	50
15	The speed of light is 234598758 m/s. Write in standard form.							
	A	23.4598758×10^7	B	$23.4598758 \times 10^{-7}$	C	2.34598758×10^8	D	$2.34598758 \times 10^{-8}$
16	The value of $\left(\frac{2}{7}\right)^{-2}$ is							
	A	$\frac{4}{7}$	B	$\frac{4}{49}$	C	$\frac{49}{4}$	D	$\frac{5}{2}$
17	The reciprocal of $\left(\frac{3}{5}\right)^{-1}$ is							
	A	$\frac{3}{5}$	B	$\frac{5}{3}$	C	$-\frac{3}{5}$	D	$-\frac{5}{3}$
18	Using suitable rearrangement and find the sum: $\frac{4}{7} + \frac{-4}{9} + \frac{3}{7} + \frac{-14}{9}$							
	A	1	B	0	C	-1	D	2
19	Find the product of $\frac{15}{13}$ and multiplicative inverse of $\frac{-5}{26}$.							
	A	-6	B	$\frac{20}{26}$	C	$-\frac{6}{26}$	D	$\frac{10}{13}$
20	The equivalent rational number of $\frac{7}{9}$, whose denominator is 45 is							
	A	$\frac{35}{9}$	B	$\frac{12}{45}$	C	$\frac{7}{45}$	D	$\frac{35}{45}$

21	Fill in the blanks: Name the appropriate property used (i) $\frac{-3}{5} \times 1 = 1 \times \frac{-3}{5} = \frac{-3}{5}$ _____ (ii) $\frac{1}{7} \times \left(\frac{-3}{5} + \frac{6}{7}\right) = \left(\frac{1}{7} \times \frac{-3}{5}\right) + \left(\frac{1}{7} \times \frac{6}{7}\right)$ _____ (iii) $\frac{3}{5} \times \left(\frac{7}{11} \times \frac{4}{3}\right) = \frac{7}{11} \times \left(\frac{3}{5} \times \frac{4}{3}\right)$ _____						
22	Fill in the blanks: (i) The additive inverse of $\frac{1}{3} \times 3$ is _____ (ii) The multiplicative inverse of $-1\frac{1}{7} \times (-21)$ is _____ (iii) The multiplicative identity for rational number 2 is _____						
23	Mr Holland bought 2500 kg of rice, 500 kg of sugar and 150 litres of cooking oil as monthly stock for his Fast food Restaurant. Mr. Holland pays ₹ 1.7×10^5 for his purchase. 						
I	Write weight 2500 kg in grams. Give your answer in standard form.						
A	25×10^6 kg	B	2.5×10^6 kg	C	2.5×10^3 kg	D	2.5×10^5 kg
II	One grain of rice weighs 0.03g. Write the weight of one grain of rice in standard form.						
A	3.0×10^6 kg	B	3×10^5 kg	C	3.0×10^{-5} kg	D	3.0×10^{-3} kg
III	If a sugar crystal weighs 0.000008 Kg. Express the weight of one crystal of sugar in standard form.						
A	0.8×10^6	B	8.0×10^{-6}	C	8.0×10^{-4}	D	8.0×10^{-5}
IV	Write the total amount paid by him in usual form.						
A	₹1,70,000	B	₹70,000	C	₹10,70,000	D	₹17,000

Answers	1	$\frac{1}{6}$	2	12	3.	$\left(\frac{-3}{2}\right)^6$	4	$\frac{1}{2}$
	5	x	6	3^4	7	p^2	8	-1
	9	infinitely many rational numbers	10	$x = 2$	11	3	12	375
	13	$\frac{3}{2}$	14	5	15	2.34598758×10^8	16	$\frac{49}{4}$
	17	$\frac{3}{5}$	18	-1	19	-6	20	$\frac{35}{45}$
	21	(i) Multiplicative identity (ii) Distributivity (iii) Associativity	22	(i) -1 (ii) $\frac{1}{24}$ (iii) 1	23	2.5×10^6 kg 3.0×10^{-5} kg 8.0×10^{-7} ₹1,70,000		
