INDIAN SCHOOL AL WADI AL KABIR
Class VIII, Mathematics **(2026-27)**
FRACTIONS IN DISGUISE
MCQ WORKSHEET

Multiple Choice Questions

Q.1	A fraction equivalent to 45% is:						
	A	$\frac{9}{10}$	**B**	$\frac{9}{20}$	**C**	$\frac{45}{10}$	**D**	$\frac{4}{5}$
Q.2	If the population of a town increased from 450 to 700, the increase percentage is						
	A	15.55%	**B**	50.55%	**C**	55%	**D**	55.55%
Q.3	After a discount of 20% on an item marked ₹1,500, the selling price is:						
	A	₹1200	**B**	₹1260	**C**	₹1250	**D**	₹1400
Q.4	An item marked at ₹ 9000 is offered in a sale for ₹ 8370. The discount percent is:						
	A	5%	**B**	6%	**C**	7%	**D**	5.6%
Q.5	Ratan earned ₹ 3200 as simple interest on depositing ₹P at a rate of 10% p.a. in 2 years. The value of P is:						
	A	₹1600	**B**	₹15000	**C**	₹12000	**D**	₹16000
Q.6	In a competitive exam of 300 marks, the qualifying marks is 150. Samir scored only 120 marks. By what percentage should Samir's score increase to qualify the exam?						
	A	2.5%	**B**	25%	**C**	20%	**D**	15%
Q.7	Lata bought a teapot for ₹ 120 and a set of cups for ₹ 400. She sold the teapot at a profit of 5% and the cups at a loss of 5%. The amount received by her is:						
	A	₹ 500	**B**	₹ 506	**C**	₹ 605	**D**	₹ 505
Q.8	A stationery shop offers various school supplies. The shopkeeper adds a sales tax of 5% to the marked price of each item. Riya bought a school bag with a marked price ₹800. The amount that Riya has to pay is:						
	A	₹840	**B**	₹880	**C**	₹849	**D**	₹844
Q.9	Raj sold his old scooter at a price of ₹ 39,600 and incurred a loss of 12%. The cost price of the scooter is:						
	A	₹4500	**B**	₹450	**C**	₹45000	**D**	₹55000
Q.10	Reema answered 36 out of 40 questions correctly. What percentage of the questions did she answer correctly?						
	A	90%	**B**	120%	**C**	40%	**D**	36%

Q.11	A shopkeeper has 50 bulbs, out of which 45 are non-defective. The percentage of defective bulbs is:						
	A	50%	**B**	15%	**C**	12%	**D**	10%
Q.12	The compound interest on ₹ 5000 at 4% per annum for 2 years compounded annually is						
	A	₹408	**B**	₹410	**C**	₹208	**D**	₹804
Q.13	The number of trees in a forest increases at a rate of 4% per year. If the forest initially has 15,000 trees, find the approximate number of trees after 3 years, assuming the rate of increase remains constant.						
	A	16873	**B**	150000	**C**	10000	**D**	11659
Q.14	Vimal borrows ₹15,000 at 8% simple interest per annum for 3 years from a bank. The Simple interest and the total amount to be repaid is:						
	A	SI = ₹1,600; A = ₹15,600	**B**	SI = ₹3,600; A = ₹18,600	**C**	SI = ₹360; A = ₹18,60	**D**	SI = ₹3,500; A = ₹17,600

Q.15 **Case Study:**

A school in a futuristic smart city plans to install solar panels to reduce electricity consumption and protect the environment. To raise funds for this project, the school invests ₹50,000 donated by its alumni for 2 years. The school considers two investment schemes: **Scheme A:** A bank offers simple interest at 8% per annum. **Scheme B:** Another bank offers compound interest at 8% per annum, compounded annually. The school wants to choose the scheme that will generate more money for its green energy project.



1. Calculate the simple interest earned under Scheme A after 2 years.
2. Calculate the compound interest earned under Scheme B after 2 years.
3. Find the difference between the total amounts received under the two schemes. Which scheme is more beneficial to the school?

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ANSWERS

1.	B	**2.**	D	**3.**	A	**4.**	C
5.	D	**6.**	B	**7.**	B	**8.**	A
9.	C	**10.**	A	**11.**	D	**12.**	A
13.	C	**14.**	B	**15.**	1)₹ 8000 2)₹ 8320 3) scheme B is more beneficiary as it earns ₹ 320 more		