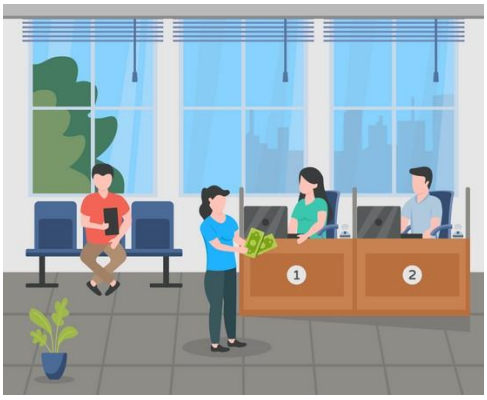
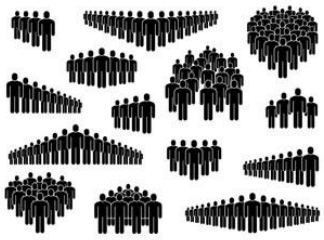
INDIAN SCHOOL AL WADI AL KABIR
Class VIII, Mathematics
WORKSHEET-MCQ& CASE STUDY –COMPARING QUANTITIES

Multiple Choice questions

Q.1.	Find the amount on ₹35,000 for 3 years at 6% per annum compounded annually						
	A	₹40085.65	B	₹41685.56	C	₹32755.56	D	₹38764.43
Q.2.	Discount is always calculated on which of the following?						
	A	Selling price	B	Marked price	C	Cost price	D	None of these
Q.3.	The marked price of a ceiling fan is ₹1250 and the shopkeeper allows a discount of 6% on it. Find selling price of a fan						
	A	₹2345	B	₹1098	C	₹1175	D	₹2295
Q.4.	A toy car costs 660, including 10% VAT. What was the price of the car before VAT was added?						
	A	₹670	B	₹600	C	₹890	D	₹720
Q.5.	A sofa sold for ₹15,000 is marked at ₹16,400. Find the discount percent						
	A	7.23%	B	8.54%	C	6.78%	D	5.40%
Q.6.	An article was purchased for Rs1565 including GST of 18%. Find the price of the article before GST was added						
	A	₹1234.67	B	₹1435.78	C	₹1243.89	D	₹1326.27
Q.7.	Find the compound interest on ₹25000 for 3 years at 6% per annum compounded annually						
	A	₹4342.7	B	₹3450.98	C	₹4896.5	D	₹4775.40
Q8.	A bag was sold for ₹ 442 after allowing a discount of 15% on the marked price. Find the marked price of the bag.						
	A	₹560	B	₹520	C	₹439	D	₹345
Q.9.	If the marked price of a tablet including 18% GST is ₹8100, calculate the selling price of the tablet excluding the GST						
	A	₹4358.99	B	₹1543.87	C	₹6864.41	D	₹5487.9

Q.10.	The population of a town 2 years ago was 62500. Since some persons migrate to different cities the number of people decreases every year at the rate of 4% per annum. Find its present population							
	A	56399	B	57600	C	54760	D	55700
	SOURCE BASED QUESTION							
	 Ayan and Suman are friends and they are working in a private company. They decided to save their money by investing in different banks. Ayan deposited ₹5000 for 3 years in a bank which gives 5% rate of compound interest per annum. Suman deposited for 2 years an amount of ₹7000 in a bank which gives 20% rate of compound interest per annum.							
Q11.	Calculate the amount in both cases if interest is compounded annually.							
	A	₹5734.43,₹10455	B	₹5554.49,₹11231	C	₹5876.83,₹12132	D	₹5788.125,₹10080
Q12.	Find the Compound interest earned by Ayan							
	A	₹734.65	B	₹745.761	C	₹788.125	D	₹721.42
Q13.	Find the Compound interest earned by Suman							
	A	₹3124	B	₹3080	C	₹3544	D	₹3321
Q14	How much more interest is earned by Suman?							
	A	₹2229.657	B	₹2443.786	C	₹2291.875	D	₹2435.799
Q.15	**CASE STUDY:**  The population of the city increased by 4% of what it had been at the beginning of each year. If the population of 1997 had been 6760000, a) find the population of the city in 1999 b) find the population of the city in 1995							

ANSWERS

1.	₹41685.56	2	Marked price	3	₹1175	4	₹600
5.	8.54%	6	₹1326.27	7	₹4775.40	8	₹520
9.	₹6864.41	10	57600	11	₹5788.125,₹10080	12	₹788.125
13.	₹3080	14	₹2291.875	15	a) 7311616 b) 6250000		

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