



INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics (2024-25)

Worksheet DTQ – COMPARING QUANTITIES

SHORT ANSWER TYPE QUESTIONS- 8 QUESTIONS. (2 Marks each)

Q1.	There are 24% of boys in a school. If the number of girls is 456, find the total number of students in the school.
Q2.	If 60% people in a city like cricket 40% like football then find the number of the people like football if the total population is 350000.
Q3.	Raju bought a fan at Rs.840 and sold it for Rs.714. Find the discount and discount percentage.
Q4.	A man whose income is ₹ 57,600 a year spends ₹ 43,200 a year. What percentage of his income does he save?
Q5.	Find the compound interest on ₹ 2,000 in 2 years if the rate of interest is 4% per annum
Q6.	The cost of a raincoat is Rs. 480 and the sales tax on this is 5%. Find out the bill amount.
Q7.	During sale price of washing machine is reduced from Rs.14500 to Rs.12325. Find the discount and discount percentage.
Q8.	Juhi sells an air conditioner for ₹14000 with the addition of VAT 5%. Find the actual price of the air conditioner.

SHORT ANSWER TYPE- 4 QUESTIONS. (3 Marks each)

Q9.	Ramesh bought a shirt for ₹ 336, including 12% ST and a tie for ₹ 110 including 10% ST. Find the list price (without sales tax) of the shirt and the tie together.
Q10.	The marked price of a wrist watch is Rs. 1500. John bought 5 watches at a time to gift their friends. Find the bill amount if there will be 3% VAT is on the total bill amount.
Q11.	In a laboratory a solution is kept at the temperature 30.6°C for cooling down. The temperature is marked at the end of every hour and it is decreasing at the rate of 1% per hour. Find the temperature of the solution after 2 hours.
Q12.	Find the population of a city after 2 years, which is at present is 20 lakhs, if the rate of increase is 5%p.a.

LONG ANSWER TYPE- 3 QUESTIONS. (4 Marks each)

Q.13	The difference between simple and compound interest on a certain sum of money for 2 years at 4% per annum is Rs.20. Find the sum.
Q14.	A TV was bought at the rate of ₹ 31500 including the GST of 5%. Find the marked price of the TV. If it was sold at the rate of 3% depreciation after one year, then find the cost of the TV after depreciation with respect to the selling price.
Q15.	As a result of the publicity to resist the wastage of drinking water in a town, the wastage of drinking water in a year decreases by 10% in comparison to the previous year. At present, if the quantity of drinking water wasted from the supply of the pumping station in that town be 10000 liters, find the quantity of water, which will be wasted after 3 years.

ANSWERS					
Q1.	600	Q2.	140000	Q3.	Rs.126 and 15%
Q4.	25%	Q5.	Rs. 142.40	Q6.	Rs.504
Q7.	Rs.2175 and 15%	Q8.	Rs.13333.33	Q9.	Rs.400
Q10.	Rs.7725	Q11.	31.22°C (approximately)	Q12.	22.05 lakhs
Q 13.	Rs.12500	Q 14.	Rs.30000 and Rs. 22050	Q 15.	7290 litres