



INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics (2022-23)

Worksheet DTQ – COMPARING QUANTITIES

SHORT ANSWER TYPE QUESTIONS- 7 QUESTIONS. (2 Marks each)

Q1. Suhana sells a sofa set for ₹ 9600 making a profit of 20%. What is the C.P. of the sofa set?

Q2. Convert each of the following into the per cent:

(a) $\frac{12}{16}$ (b) 0.08 (c) 3.2

Q3. If 25% of a journey is 800 km, then find the total distance of the journey.

Q4. Out of 50 children in a class, 20 are boys. Then find the percentage of girls.

Q5. Convert each part of the ratio to percentage:

5 : 7 : 8

Q6. Find:

(i) 36 % of 400
(ii) $16\frac{2}{3}$ % of 32.

Q7. What per cent of 40 kg is 440 g?

SHORT ANSWER TYPE- 5 QUESTIONS. (3 Marks each)

Q8. Reshmi obtains 480 marks out of 600. Shayan obtains 560 marks out of 700. Whose performance is better?

Q9. John borrowed ₹ 75000 from his friend and after one year returned ₹ 80000 to his friend. Find the simple interest and rate of interest.

Q10. Ryan bought a vehicle for Rs 7,50,000. The next year, the price went up to Rs 7,80,000. What was the Percentage of price increase?

Q11. The cost of an object is increased by 12%. If the current cost is ₹ 896, what was its original cost?

Q12. A machine costs ₹ 7500. Its value decreases by 5% every year due to usage. What will be its price after one year?

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

Q13.	Radhika borrowed ₹ 12000 from her friends. Out of which ₹ 4000 were borrowed at 18% and the remaining at 15% rate of interest per annum. What is the total interest after 3 years?
Q14.	In a furniture shop, 24 tables were bought at the rate of ₹ 450 per table. The shopkeeper sold 16 of them at the rate of ₹ 600 per table and the remaining at the rate of ₹ 400 per table. Find her gain or loss percent.
Q15.	Gayatri's income is ₹ 1,60,000 per year. She pays 15% of this as house rent and 10% of the remainder on her child's education. The money left with her is

ANSWERS

Q1.	₹ 8000	Q2.	(i) 75% (ii) 8 (iii) 320 %	Q3.	3200 km
Q4.	60 %	Q5.	25%, 35% and 40%	Q6.	144%, 5.3%
Q7.	1.1 %	Q8.	Both of them obtained same per cent of marks	Q9.	₹ 5000, 6.6%
Q10.	4%	Q11.	₹ 800	Q12.	₹ 7125
Q13.	₹ 5760	Q14.	Gain=₹ 2000, Gain%=18.5%	Q15.	₹ 122400