



# INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics

## WORKSHEET (2025-26)

### COMPARING QUANTITIES - 1

#### Multiple Choice Questions

<b>Q.1</b>	The length and breadth of a steel tape are 10m and 2.4cm, respectively. The ratio of the length to the breadth is:							
	<b>A</b>	5 : 1.2	<b>B</b>	25: 6	<b>C</b>	625: 6	<b>D</b>	1250: 3
<b>Q.2</b>	There are 50 students in a class. If 14% are absent on a particular day, the number of students present in the class is:							
	<b>A</b>	7	<b>B</b>	34	<b>C</b>	43	<b>D</b>	36
<b>Q.3</b>	A cow gives 24 liters of milk each day. If the milkman sells 75% of the milk, quantity of milk left with him is:							
	<b>A</b>	15liters	<b>B</b>	6liters	<b>C</b>	18liters	<b>D</b>	3.5 liters
<b>Q.4</b>	The marked price of a book is ₹90, and it is sold at ₹80, then the discount rate is:							
	<b>A</b>	12.11%	<b>B</b>	11.18%	<b>C</b>	11.11%	<b>D</b>	13%
<b>Q.5</b>	In a basket of apples, 12% of them are rotten and 66 are in good condition. The total number of apples in the basket is:							
	<b>A</b>	75	<b>B</b>	94	<b>C</b>	108	<b>D</b>	88
<b>Q.6</b>	Emma scores 72 marks out of 80 in her English exam. Her marks in percentage is:							
	<b>A</b>	75%	<b>B</b>	80%	<b>C</b>	90%	<b>D</b>	95%
<b>Q.7</b>	Marked price of item is ₹950 and it sold for ₹820. The discount amount is:							
	<b>A</b>	₹125	<b>B</b>	₹130	<b>C</b>	₹120	<b>D</b>	₹135
<b>Q.8</b>	In a public show 75 % of the seats were filled. If there were 600 seats in the hall, how many seats were vacant?							
	<b>A</b>	450	<b>B</b>	150	<b>C</b>	200	<b>D</b>	350
<b>Q.9</b>	What percent of 70 kg is 2.1 kg?							
	<b>A</b>	30.3%	<b>B</b>	33.3%	<b>C</b>	3.3%	<b>D</b>	3%
<b>Q.10</b>	Alexander was able to cover 25% of 150 km journey in the morning. What percent of journey is still left to be covered?							
	<b>A</b>	85%	<b>B</b>	55%	<b>C</b>	75%	<b>D</b>	65%

<b>Q.11</b>	The marked price of a cycle is ₹3500. It is sold for ₹2800. The discount % is:							
	<b>A</b>	15%	<b>B</b>	20%	<b>C</b>	25%	<b>D</b>	30%
<b>Q.12</b>	After Mallick spent 65% of his money, he had ₹700 left with him. The money he had in the beginning is:							
	<b>A</b>	₹800	<b>B</b>	₹900	<b>C</b>	₹1,200	<b>D</b>	₹2000
	<b>SHORT ANSWER QUESTIONS:</b>							
<b>Q.13</b>	The cost of a shirt at a shop was ₹650. The goods and services tax charged was 8%. Find the bill amount.							
<b>Q.14</b>	A washing machine is sold for ₹13,200 after allowing a discount of 12%. Find its marked price.							
<b>Q.15</b>	A television set is purchased at ₹25,000. If VAT at 8% is added, find the total amount to be paid.							
<b>Q.16</b>	Shreya purchased a hair straightening iron rod for ₹8100 including 8% GST. Find the price before GST was added.							
<b>Q.17</b>	A pair of shoes has a marked price of ₹2,400. If sold at a discount of 25%, find the selling price.							
	<b>LONG ANSWER QUESTIONS:</b>							
<b>Q.18</b>	A cycle is marked at ₹2,500. If a discount of 12% is given, find the discount amount and selling price.							
<b>Q.19</b>	A laptop was sold for ₹40,000. If the rate of GST is 18%, find the tax and final price.							
<b>Q.20</b>	A shop sells 5 fans at ₹1,200 each. If VAT is 10%, find the total VAT to be paid.							
<b>Q.21</b>	An air fryer is available for ₹13440 inclusive of VAT. If the original cost of the Air Fryer is ₹12000, find the rate of VAT.							
<b>Q.22</b>	In an examination, 300 students appeared. Out of these students; 28 % got first division, 54 % got second division and the remaining just passed. Assuming that no student failed; find the number of students who just passed.							
<b>Q.23</b>	Find the discount and the selling price, when the printed price is ₹15750, and discount is 15%.							

<b>Q.24</b>	<p>Express each of the following ratios as percent:</p> <p>(i) 3: 16</p> <p>(ii) 2: 5</p> <p>(iii) 1: 8</p> <p>(iv) 9: 4</p>
<b>Q.25</b>	<p>Ram goes to a departmental store and purchases the following articles</p> <p>a) Biscuits and bakery products costing ₹50, VAT at 5%</p> <p>b) Medicines costing ₹90 VAT at 10%</p> <p>c) Clothes costing ₹400 at 1%</p> <p>d) Cosmetics costing ₹150, VAT at 10%.</p> <p>Calculate the total amount to be paid by Ram to the store.</p>
<b>Q.26</b>	<p><b>CASE STUDY</b></p> <p>When a new movie was released on Friday, 150 seats were booked that day. The booking for the movie increased to 300 seats on Saturday.</p> <p>a) What was the percent increase in the number of seats booked on Saturday?</p> <p>b) The cost of a ticket for the show is ₹250. Ayush got a 20% discount on buying a ticket through online booking. How much rupees did Ayush pay for the ticket?</p> <p>c) Outside the cinema hall, Neeraj has a stall that sells a pack of popcorn for ₹200. The government charges 18% GST on selling of goods or services. Find the price at which Neeraj sells popcorn including GST.</p> <p>d) How much GST is charged on selling one pack of popcorn? (Give your answer correct up to one decimal place)</p>

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## ANSWERS

<b>Q.1</b>	D) 1250:3	<b>Q.2</b>	C) 43	<b>Q.3</b>	B) 6liters	<b>Q.4</b>	C) 11.11%
<b>Q.5</b>	A) 75	<b>Q.6</b>	C) 90%	<b>Q.7</b>	B) ₹130	<b>Q.8</b>	B) 150
<b>Q.9</b>	D) 3%	<b>Q.10</b>	C) 75%	<b>Q.11</b>	B) 20%	<b>Q.12</b>	D) ₹2000
<b>Q.13</b>	₹702	<b>Q.14</b>	₹15,000.	<b>Q.15</b>	₹27,000	<b>Q.16</b>	₹7,500.
<b>Q.17</b>	₹1,800.	<b>Q.18</b>	Discount amount = ₹300, Selling price = ₹2,200.	<b>Q.19</b>	Tax = ₹7,200 Final price = ₹47,200.	<b>Q.20</b>	₹600
<b>Q.21</b>	12%	<b>Q.22</b>	54	<b>Q.23</b>	Discount = ₹2,362.50, Selling Price = ₹13,387.50.	<b>Q.24</b>	(i) 18.75%, (ii) 40%, (iii) 12.5%, (iv) 225%
<b>Q.25</b>	a) ₹52.5 b) ₹99 c) ₹404 d) ₹165 ∴ Total amount = ₹720.50	<b>Q.26</b>	a) 100% b) ₹200 c) ₹236 d) ₹36				