



# INDIAN SCHOOL AL WADI AL KABIR

## COMPARING QUANTITIES

### Worksheet-1

#### OBJECTIVE TYPE (1 Mark)

|             |  |                       |          |                 |          |            |          |                    |
|-------------|--|-----------------------|----------|-----------------|----------|------------|----------|--------------------|
| <b>Q.1.</b> | In a class of 40 students ,35% is girls .Then the number of girls is   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | 15                    | <b>B</b> | 14              | <b>C</b> | 17         | <b>D</b> | 18                 |
| <b>Q.2.</b> | An item marked at ₹840 is sold for ₹ 714. The discount % is:   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | 10%                   | <b>B</b> | 15%             | <b>C</b> | 20%        | <b>D</b> | 25%                |
| <b>Q.3.</b> | What should be the rate of interest per annum if interest is calculated quarterly?   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | reduced to one fourth | <b>B</b> | reduced to half | <b>C</b> | is doubled | <b>D</b> | becomes four times |
| <b>Q.4.</b> | what should be percentage gain on a product when it is sold for ₹120 with a gain of ₹ 20   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | 22%                   | <b>B</b> | 25%             | <b>C</b> | 20%        | <b>D</b> | 16%                |
| <b>Q.5.</b> | The ratio of 50 p to ₹1 is   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | 2:1                   | <b>B</b> | 1:2             | <b>C</b> | 1:1        | <b>D</b> | 1:10               |
| <b>Q.6.</b> | Anu has ₹ 200 with her. She spent 80% amount she had. How much money is left with her?   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | ₹10                   | <b>B</b> | ₹20             | <b>C</b> | ₹30        | <b>D</b> | ₹40                |
| <b>Q.7.</b> | A bag is available for ₹90. The shopkeeper allows 10% discount on the marked price. What is the marked price of the bag?                       |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | ₹90                   | <b>B</b> | ₹100            | <b>C</b> | ₹110       | <b>D</b> | ₹80                |
| <b>Q.8</b>  | A sofa-set was bought for ₹10000. Its value depreciated at the rate of 10% per annum. Find its value after one year.                           |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | ₹11000                | <b>B</b> | ₹9000           | <b>C</b> | ₹12000     | <b>D</b> | ₹1000              |
| <b>Q.9</b>  | In a school out of 340 students, 55% students are of Science. The remaining students are of Commerce. Find the number of students of Commerce. |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | 135                   | <b>B</b> | 315             | <b>C</b> | 153        | <b>D</b> | 140                |
| <b>Q.10</b> | A shop gives 20% discount .What would be the sale price of a dress marked at ₹120?   |                       |          |                 |          |            |          |                    |
|             | <b>A</b>   | ₹96                   | <b>B</b> | ₹69             | <b>C</b> | ₹144       | <b>D</b> | ₹102               |

FILL IN THE BLANKS

|             |   |
|-------------|---|
| <b>Q.11</b> | The ratio 1:3 can be written as-----percentage.   |
| <b>Q.12</b> | There are -----conversion periods for certain sum, if the interest compounded half yearly for $2\frac{1}{2}$ years. |
| <b>Q.13</b> | The time period after which the interest is added each time to form a new principal is called the -----             |
| <b>Q.14</b> | If 20% of x is 25, then the value of x is -----   |
| <b>Q.15</b> | A man whose income is ₹ 57,600 a year spends ₹ 43,200 a year. The -----percentage of his income he saves.           |

SECTION B (2 Marks)

|             |   |
|-------------|---|
| <b>Q.16</b> | Ashwin purchased a scooter with marked price ₹72000. If 10% tax is charged find the amount he had to pay to purchase the scooter. |
| <b>Q.17</b> | The marked price of a ceiling fan is ₹1250 and the shopkeeper allows a discount of 4%on it. Find the selling price?               |
| <b>Q.18</b> | The enrolment of students at a university increased from 14500 to 16965 .Find the percentage of increase?                         |
| <b>Q.19</b> | A cupboard marked at ₹950 is sold for ₹ 864.50. What is the discount and discount %?  |
| <b>Q.20</b> | Find the amount and compound interest for ₹2400 for 2 years at 5% p.a compounded annually.  |

SECTION C (4 Marks)

|              |   |
|--------------|---|
| <b>Q.21</b>  | Sarita purchased two dresses for₹1300 each. She sold one at a profit of 20% and other at a loss of 12%. Find the selling price of each.Also find the profit or loss percent in whole transaction. |
| <b>Q. 22</b> | The cost of a production plant is ₹90000. If its value depreciates at 10% annually, find the value after 4 years.   |
| <b>Q.23</b>  | Find the compound interest for ₹5000 for $1\frac{1}{2}$ years at 10% p.a (1) compounded half yearly(2) compounded annually  |
| <b>Q.24</b>  | Midhun borrowed ₹12000 at 10% per annum compounded annually for 2 years Jaydev borrowed same amount at the same rate for 2 years at simple interest .Who pays more interest and by how much?      |
| <b>Q.25</b>  | Find the difference between C.I and simple interest on ₹1200 for 2 years at 8% p.a.   |

## ANSWERS

|                |             |  |             |        |             |                   |             |   |
|----------------|-------------|--|-------------|--------|-------------|-------------------|-------------|---|
| <b>Answers</b> | <b>Q.1</b>  | B  | <b>Q.2</b>  | B      | <b>Q.3.</b> | A                 | <b>Q.4</b>  | C   |
|                | <b>Q.5</b>  | B  | <b>Q.6</b>  | D      | <b>Q.7</b>  | B                 | <b>Q.8</b>  | B   |
|                | <b>Q.9</b>  | C  | <b>Q.10</b> | A      | <b>Q.11</b> | $33\frac{1}{3}\%$ | <b>Q.12</b> | 5   |
|                | <b>Q.13</b> | Conversion period                                  | <b>Q.14</b> | 125    | <b>Q.15</b> | 25%               | <b>Q.16</b> | ₹79200  |
|                | <b>Q.17</b> | ₹1200  | <b>Q.18</b> | 17%    | <b>Q.19</b> | ₹85.50 ,9%        | <b>Q.20</b> | A= ₹2646<br>C.I = ₹246                            |
|                | <b>Q.21</b> | 4% PROFIT  | <b>Q.22</b> | ₹59049 | <b>Q.23</b> | ₹788.125<br>₹775  | <b>Q.24</b> | C.I= ₹2520<br>S.I= ₹2400<br>Midhun paid ₹120 more |
|                | <b>Q.25</b> | C.I = ₹199.68<br>S.I = 192<br>Difference=<br>₹7.68 |             |        |             |                   |             |   |

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