



# INDIAN SCHOOL AL WADI AL KABIR

**Class VII**

## REVIEW WOKSHEET

### MCQ

|      |  |                |    |                |    |                |    |               |
|------|--|----------------|----|----------------|----|----------------|----|---------------|
| Q.1. | The perimeter of a square of side 4.5cm is:  |                |    |                |    |                |    |               |
|      | A)   | 14.5cm         | B) | 20 cm          | C) | 45cm           | D) | 18 cm         |
| Q.2. | The value of the expression $3m + 7$ when $m = (-1)$ is:                                     |                |    |                |    |                |    |               |
|      | A)   | 10             | B) | 4              | C) | -10            | D) | -4            |
| Q.3. | Reciprocal of $2\frac{1}{4}$ is:   |                |    |                |    |                |    |               |
|      | A)   | $\frac{1}{4}$  | B) | $\frac{9}{4}$  | C) | $\frac{3}{2}$  | D) | $\frac{4}{9}$ |
| Q.4. | $12\text{kg } 25\text{g} = \text{-----kg}$   |                |    |                |    |                |    |               |
|      | A)   | 12.25 kg       | B) | 12.250kg       | C) | 12.025kg       | D) | 12025kg       |
| Q.5. | The sum of two integers is 69. If one of the integers is $(-44)$ the other integer would be? |                |    |                |    |                |    |               |
|      | A)   | 113            | B) | 115            | C) | -113           | D) | 110           |
| Q.6. | For any integer a, $a \div 0$ is:  |                |    |                |    |                |    |               |
|      | A)   | 0              | B) | 1              | C) | -1             | D) | Not Defined   |
| Q.7  | Find the mode of the given data: 9, 2, 1, 9, 14, 4, 6, 9, 1, 9                               |                |    |                |    |                |    |               |
|      | A)   | 1              | B) | 2              | C) | 4              | D) | 9             |
| Q.8  | Which of the following is not equal to $(-18) \div 3$  |                |    |                |    |                |    |               |
|      | A)   | $18 \div (-3)$ | B) | $3 \div (-18)$ | C) | $-(18 \div 3)$ | D) | -6            |

|      |   |                                  |   |                                  |   |                                  |   |                                  |
|------|---|----------------------------------|---|----------------------------------|---|----------------------------------|---|----------------------------------|
| Q.9  | The equation having $(-2)$ as a solution is:  |                                  |   |                                  |   |                                  |   |                                  |
|      | A   | $x + 3 = 2$                      | B | $x - 5 = 7$                      | C | $x + 3 = 1$                      | D | $x + 6 = 0$                      |
| Q.10 | Which product will be equal to $\frac{2}{3}$ ?  |                                  |   |                                  |   |                                  |   |                                  |
|      | A   | $\frac{2}{3} \times \frac{5}{6}$ | B | $\frac{2}{3} \times \frac{5}{5}$ | C | $\frac{2}{3} \times \frac{2}{3}$ | D | $\frac{2}{3} \times \frac{1}{3}$ |
| Q.11 | Gabriel played a word game in which points are awarded depending on the letters that are used. He played 7 words and earned the following scores - 8, 5, 3, 4, 3, 8, 5. What was the range of scores? |                                  |   |                                  |   |                                  |   |                                  |
|      | A)  | 8                                | B | 5                                | C | 3                                | D | 4                                |
| Q.12 | Which of the following equations cannot be formed using the equation $x = 2$  |                                  |   |                                  |   |                                  |   |                                  |
|      | A   | $x + 3 = 2$                      | B | $x - 5 = 3$                      | C | $2x + 3 = 7$                     | D | $3x = 9$                         |
| Q.13 | A car covers 142.5km in 10 litres of petrol. How much can it cover in 1litre of petrol?   |                                  |   |                                  |   |                                  |   |                                  |
|      | A)  | 14.25km                          | B | 1425km                           | C | 152.5km                          | D | 15.25km                          |
| Q.14 | Eve bought 21 books and $\frac{2}{3}$ of the books are fiction. How many fiction books did she buy?   |                                  |   |                                  |   |                                  |   |                                  |
|      | A)  | 12                               | B | 10                               | C | 14                               | D | 7                                |
| Q.15 | The temperature on a certain morning was $-13^{\circ}\text{C}$ at 5am. If the temperature drops $5^{\circ}\text{C}$ at 9am, what is the new temperature?  |                                  |   |                                  |   |                                  |   |                                  |
|      | A)  | $8^{\circ}\text{C}$              | B | $18^{\circ}\text{C}$             | C | $-8^{\circ}\text{C}$             | D | $-18^{\circ}\text{C}$            |
| Q.16 | A letter of the English alphabet is chosen at random. Calculate the probability that the letter so chosen is a vowel.   |                                  |   |                                  |   |                                  |   |                                  |
|      | A)  | $\frac{5}{26}$                   | B | $\frac{1}{26}$                   | C | $\frac{1}{2}$                    | D | $\frac{21}{26}$                  |
| Q.17 | Find the product: $(-3) \times (-3) \times (-3)$  |                                  |   |                                  |   |                                  |   |                                  |
|      | A)  | 27                               | B | 9                                | C | $(-9)$                           | D | $(-27)$                          |

|      |  |                     |   |                         |   |                     |   |                                 |
|------|--|---------------------|---|-------------------------|---|---------------------|---|---------------------------------|
| Q.18 | <b>Jessy rides the bicycle <math>5\frac{2}{3}</math> km each day. How far will he ride in 3 days?</b>                      |                     |   |                         |   |                     |   |                                 |
|      | A)   | 51km                | B | $1\frac{8}{9}$ km       | C | 17km                | D | 15km                            |
| Q.19 | <b>Determine the integer whose product with <math>(-1)</math> is 42.</b>   |                     |   |                         |   |                     |   |                                 |
|      | A)   | 1                   | B | -1                      | C | 42                  | D | -42                             |
| Q.20 | <b>Write the following equation in statement form: <math>\frac{p}{3} = 8</math></b>  |                     |   |                         |   |                     |   |                                 |
|      | A)   | Sum of p and 3 is 8 | B | Product of p and 3 is 8 | C | One third of p is 8 | D | Difference between p and 3 is 8 |
| Q.21 | <b>Find the median of the data: 15, 6, 22, 21, 9, 18, 25.</b>  |                     |   |                         |   |                     |   |                                 |
|      | A)   | 6                   | B | 15                      | C | 25                  | D | 18                              |
| Q.22 | <b>Find: <math>5.75 \div 5</math></b>  |                     |   |                         |   |                     |   |                                 |
|      | A)   | 11.5                | B | 1.15                    | C | 115                 | D | 105                             |
| Q.23 | <b>The number of trees in different parks of a city are 33, 38, 48, 33, 34, 34, 33 and 24. Find the mode of this data.</b> |                     |   |                         |   |                     |   |                                 |
|      | A)   | 33                  | B | 24                      | C | 38                  | D | 34                              |
| Q.24 | <b>Find the value of <math>x</math> in the equation <math>x - 6 = -7</math></b>  |                     |   |                         |   |                     |   |                                 |
|      | A)   | 1                   | B | -1                      | C | -13                 | D | 13                              |
| Q.25 | <b>Evaluate: <math>(-8 + 3) \div (-5)</math></b>   |                     |   |                         |   |                     |   |                                 |
|      | A)   | $\frac{11}{5}$      | B | $-\frac{11}{5}$         | C | 1                   | D | -1                              |

|                            |   |               |    |                |          |                 |    |                |
|----------------------------|---|---------------|----|----------------|----------|-----------------|----|----------------|
| Q.26                       | <b>FIB</b>  |               |    |                |          |                 |    |                |
| a                          | If $\frac{x}{5} = 6$ , then the value of x = _____.   |               |    |                |          |                 |    |                |
|                            | A)  | $\frac{5}{6}$ | B) | 30             | C)       | 11              | D) | $\frac{6}{5}$  |
| b                          | The value of $6 + -6 + 6 + -6 + 6 + -6 + 6 =$ _____   |               |    |                |          |                 |    |                |
|                            | A)  | -6            | B) | 0              | C)       | 6               | D) | 1              |
| c                          | The probability of getting a head in tossing a coin is _____.                                 |               |    |                |          |                 |    |                |
|                            | A)  | $\frac{1}{2}$ | B) | 0              | C)       | 1               | D) | $\frac{1}{3}$  |
| d                          | The decimal number for the expansion $500 + 30 + 4 + \frac{3}{100} + \frac{2}{1000}$ is _____ |               |    |                |          |                 |    |                |
|                            | A)  | 534.0032      | B) | 534.32         | C)       | 53.432          | D) | 534.032        |
| e                          | $\frac{1}{7} \div \frac{2}{5} =$ _____  |               |    |                |          |                 |    |                |
|                            | A)  | $\frac{1}{2}$ | B) | $\frac{5}{14}$ | C)       | $\frac{14}{35}$ | D) | $\frac{2}{35}$ |
| <b>MATCH THE FOLLOWING</b> |   |               |    |                |          |                 |    |                |
| Q.27                       | Column A  |               |    |                | Column B |                 |    |                |
|                            | a) Reciprocal of (-1)   |               |    |                | 10       |                 |    |                |
|                            | b) $0.1 \times 100$   |               |    |                | 0        |                 |    |                |
|                            | c) Additive identity for integers   |               |    |                | -1       |                 |    |                |
|                            | d) $-a \div -a$   |               |    |                | 0.01     |                 |    |                |
|                            |   |               |    |                | 1        |                 |    |                |

|      |                       |                 |
|------|-----------------------|-----------------|
| Q.28 | <b>Column A</b>       | <b>Column B</b> |
|      | a) $5x = 30$          | -5              |
|      | b) $x + 3 = 8$        | -6              |
|      | c) $\frac{x}{3} = -2$ | 6               |
|      |                       | 5               |

|      |                              |                 |
|------|------------------------------|-----------------|
| Q.29 | <b>Column A</b>              | <b>Column B</b> |
|      | a) $-2 \times 5 \times -10$  | 0               |
|      | b) $1 \div \frac{1}{10}$     | 1               |
|      | c) Probability of sure event | 10              |
|      |                              | 100             |

**2 MARKS**

Q.30

The following graph shows different time periods given by two different schools to different subjects:

| Subject        | School A | School B |
|----------------|----------|----------|
| English        | 8        | 7        |
| Hindi          | 7        | 8        |
| Mathematics    | 10       | 10       |
| Social Studies | 6        | 7        |
| Science        | 8        | 7        |

**Answer the following questions:**

a) For which subject both the schools gave same time period?

b) Which school gives more time period for English?

| Q.31           | <p><b>Write equations for the following statements:</b></p> <p>a) 3 subtracted from a number is equal to 12.<br/> b) One third of a number added to 5 gives 10.</p>  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
|----------------|--|------------|---------------|------------|---------------|------------|------|----|----|----|----|-------|----|----|----|----|
| <b>3 MARKS</b> |  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.32           | <p><b>The runs scored by 7 players of a cricket team are 27, 12, 58, 45, 50, 63, 25</b><br/> <b>Find the mean score.</b></p>   |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.33           | <p><b>Find the product using distributive property: <math>(-45) \times 108</math></b></p>  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.34           | <p><b>Find the solution of the equation: <math>3(x + 6) = 24</math></b></p>  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.35           | <p><b>Find the value of: <math>3\frac{1}{2} \div \frac{5}{2}</math></b></p>  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| <b>4 MARKS</b> |  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.36           | <p><b>The following table shows the sports participation of students at a school.</b><br/> <b>Make a double bar graph to represent this data.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sport</th> <th>Soccer</th> <th>Volleyball</th> <th>Track &amp; Field</th> <th>Basketball</th> </tr> </thead> <tbody> <tr> <td>Boys</td> <td>35</td> <td>15</td> <td>20</td> <td>25</td> </tr> <tr> <td>Girls</td> <td>25</td> <td>20</td> <td>10</td> <td>30</td> </tr> </tbody> </table> | Sport      | Soccer        | Volleyball | Track & Field | Basketball | Boys | 35 | 15 | 20 | 25 | Girls | 25 | 20 | 10 | 30 |
| Sport          | Soccer   | Volleyball | Track & Field | Basketball |               |            |      |    |    |    |    |       |    |    |    |    |
| Boys           | 35   | 15         | 20            | 25         |               |            |      |    |    |    |    |       |    |    |    |    |
| Girls          | 25   | 20         | 10            | 30         |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.37           | <p><b>In a school of 3200 students <math>\frac{2}{5}</math> of the total like cricket, <math>\frac{1}{4}</math> of the total number like football and the remaining students like volleyball.</b></p> <p>a) How many students like cricket?<br/> b) How many students like football?<br/> c) How many students like volleyball?</p>  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.38           | <p><b>Adman's father is 49 years old. He is 5 years older than four times Adman's age. What is Adman's age?</b></p>  |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |
| Q.39           | <p><b>In a test containing 20 questions, 3 marks are given for every correct answer and (-1) mark are given for every incorrect answer. Sona gets 10 correct answers and 6 incorrect answers. What is her total score?</b></p>   |            |               |            |               |            |      |    |    |    |    |       |    |    |    |    |

|      |  |
|------|--|
| Q.40 | Solve the equation: $\frac{3y}{2} - 1 = 8$   |
| Q.41 | <p>A car covers a distance of 212.4 km in 4 hours.</p> <p>a) Find the distance covered by the car in an hour?</p> <p>b) Find the distance covered by the car in 3.5 hours?</p> |

|         |    | Answers  |     |                                     |    |  |    |                                 |
|---------|----|--|-----|-------------------------------------|----|--|----|---------------------------------|
| Answers | 1  | D) 18cm  | 2   | B) 4                                | 3. | D) $\frac{4}{9}$                           | 4  | C) 12.025                       |
|         | 5  | A)113  | 6   | D)Not defined                       | 7  | D)9  | 8  | B)3 ÷ (-18)                     |
|         | 9  | C) x + 3 = 1   | 10  | B) $\frac{2}{3} \times \frac{5}{5}$ | 11 | B)5  | 12 | C)2x + 3 = 7                    |
|         | 13 | A)14.25km  | 14  | C)14                                | 15 | D)-18°C                                    | 16 | A) $\frac{5}{26}$               |
|         | 17 | D -27  | 18  | C) 17km                             | 19 | D)-42                                      | 20 | C) One third of a number p is 8 |
|         | 21 | D) 18  | 22  | B)1.15                              | 23 | A)33                                       | 24 | B) x = -1                       |
|         | 25 | C) 1   | 26a | B) 30                               | b  | C)6  | c  | A) $\frac{1}{2}$                |
|         | d  | D)534.032  | e   | B) $\frac{5}{14}$                   | 27 | a) -1<br>b) 10<br>c) 0<br>d) 1             | 28 | a) 6<br>b) 5<br>c) -6           |
|         | 29 | a)100, b)10, c)1   | 30  | a) Mathematics<br>b) School A       | 31 | a) x - 3 = 12<br>b) $\frac{p}{3} + 5 = 10$ | 32 | 40                              |
|         | 33 | -4860  | 34  | X = 2                               | 35 | $\frac{7}{5} = 1 \frac{2}{5}$              | 36 | Double bargraph                 |
|         | 37 | a) Cricket = 1280<br>b) Football = 800<br>c) Volleyball = 1120 | 38  | 11 years                            | 39 | Total Score = 24                           | 40 | y = 6                           |
|         | 41 | a) 53.1km<br>b) 185.85km                                       |     |                                     |    |  |    |                                 |