



INDIAN SCHOOL AL WADI AL KABIR

Final Examination **REVISION PAPER** (2023-24)

Class: VI

MATHEMATICS

Max Marks: 80

Instructions:

Section A: Multiple Choice Question (Q.1 to Q.15) & Source based Question (Q.16)

Section B: Short Answer Questions of 2 marks each (Q.17 to Q.21)


Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.22 to Q.27)

Section D: Long Answer Questions (Type – 2) of 4 marks each (Q.28 to Q.33)

& Case Study Question (Q.34 & Q.35) of 4 marks each.



Section A: Multiple Choice Question (Q.1 to Q.15) of **1** mark each

1.	Identify the property used: $(4 + 624) + 25 = 4 + (624 + 25)$							
	A	Additive Identity	B	Associative	C	Closure property	D	Distributive
2.	A triangular flag has a perimeter of 28cm and two sides are of lengths 12cm and 7cm. What will be the length of the third side?							
	A	16cm	B	9cm	C	19cm	D	10cm
3.	Express the fraction $\frac{16}{5}$ in decimal form.							
	A	0.32	B	1.65	C	16.5	D	3.2
4.	The predecessor of the predecessor of 225000 is:							
	A	224000	B	225001	C	224999	D	224998
5.	What number added to 0.389 gives 1?							
	A	0.289	B	0.611	C	0.379	D	0.601

6.	Which of the following is an equivalent ratio of 5:7?							
A	7:5	B	15:21	C	15:7	D	5:21	
7.	Rima is making a pattern of the letter  with matchsticks. Write the rule which gives the number of matchsticks required to make the pattern.							
A	3n	B	4n	C	5n	D	6n	
8.	Write the ratio of 450cm to 1m							
A	9:2	B	45:1	C	2:9	D	9:5	
9.	Price of wheat per kg is ₹p. If the price of rice is ₹ 5 more than 2 times of the price of wheat, what will be the price of rice?							
A	₹ (2p - 5)	B	₹ (p + 5)	C	₹ (2p + 5)	D	₹7p	
10.	Which of the following decimal number is smaller?							
A	6.0102	B	6.012	C	6.00102	D	6.12	
11.	A football field is 100m wide and 160m long. What is the ratio of length to width of the field							
A	5:8	B	8:5	C	2:8	D	5:2	
12.	What is the length of side of a square whose perimeter is 196metre.							
A	98m	B	49m	C	14m	D	39m	
13.	Which of the following is a solution to the equation $3m - 5 = 7$							
A	$m = 4$	B	$m = 3$	C	$m = 2$	D	$m = 1$	
14.	What fraction of a century is 25 years?							
A	$\frac{1}{2}$	B	$\frac{1}{4}$	C	$\frac{3}{5}$	D	$\frac{3}{4}$	

15.	Which of the following is the simplest form of the fraction $\frac{84}{108}$.							
A	$\frac{8}{9}$	B	$\frac{21}{27}$	C	$\frac{7}{9}$	D	$\frac{4}{10}$	
Q16.	Source based Question -5 Marks							
	There are 1800 people in an auditorium. Out of this, 720 are men, 400 are women and the remaining are children.							
I	The ratio of number of men to number of women in the auditorium.							
A	5:9	B	15:19	C	9:5	D	7:9	
II	The ratio of the number of children to the total number of people at the auditorium.							
A	9:5	B	19:45	C	2:9	D	17:45	
III	The ratio of the number of women to the total number of people at the auditorium.							
A	5:9	B	7:12	C	18:17	D	2:9	
IV	The ratio of men to the number of children at the auditorium.							
A	18:17	B	11:7	C	15:17	D	17:18	
V	The ratio of number of children to number of women.							
A	9:7	B	6:17	C	10:9	D	17:10	
Section B: Short Answer Questions (Type – 1) of 2 marks each (Q.17 to Q.21)								
17.	Ron used $3\frac{1}{4}$ litres of paint from a tin of $5\frac{1}{2}$ to colour the walls of his room. What fraction of paint is still left in the tin?							
18.	30 cricket players and 20 kho-kho players are training in a field. What is the ratio of cricket players to the total number of players.							

19.	What is the cost of tiling a rectangular plot of land 50metre long and 20metre wide at the rate of ₹8 per sq. metre?
20.	Add $(3 + 8 + 2)$ using number line.
21.	A container holds 60 liters of water. If 39.78 liters of water used up then how much water is left in the container?
Section C : Long Answer Questions (Type – 1) of 3 marks each (Q.22 to Q.27)	
22.	Arun bought $1\frac{1}{2}$ Kg of potatoes, $2\frac{1}{4}$ Kg of tomatoes and $\frac{1}{4}$ Kg of carrots. Find the total weight of vegetables that Arun bought.
23.	The cost of a chair is ₹7635 and the cost of a table is ₹12365. Find the total cost of 12 chairs and 12 tables.
24.	Determine if the following ratios form a proportion. Also, write the middle terms and extreme terms if the ratio forms a proportion. 32 liters: 64 liters and 6 bottles: 12 bottles
25.	How many tiles whose length and breadth are 14 cm and 9 cm respectively will be needed to fit in a rectangular region whose length and breadth are respectively 90cm and 56cm.
26.	A floor is 27 m long and 14 m wide. A square carpet of side 13 m is laid on the floor. Find the area of the floor that is not carpeted?
27.	Choose the solution from the values given in the bracket of the given equation. Show that the other values do not satisfy the equation. $y - 7 = 11$; $(-4, 3, 18, 4)$
Section D : Long Answer Questions (Type – 2) (Q.28 to Q.33) & Case study (Q.34 &35) of 4 marks each	
28.	Reena travels 40km every day. Out of this she travels 22km 500m by bus, 10km 50m by scooter and some distance on foot. How much does she walk?
29.	Simplify the following using the distributive property: i) $528 \times 156 - 528 \times 56$ ii) 65×103

30.	Joy runs around a square field of side 68m. Prakash runs around a rectangular field with length 45m and breadth 85m. If they take 2 rounds each, who covers more distance and by how much?														
31.	<p>Complete the following table and by inspection of the tables, find the solution to the given equation $k + 3 = 7$.</p> <table border="1" data-bbox="272 436 1458 569"> <tr> <td>k</td> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> </tr> <tr> <td>$k + 3$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	k	8	7	6	5	4	3	$k + 3$						
k	8	7	6	5	4	3									
$k + 3$															
32.	Jasmeet travelled a total of 6km to reach the supermarket from her house. She covered $\frac{3}{4}$ km by rickshaw to the bus stop, took a bus and then covered $\frac{1}{2}$ km on foot to reach the supermarket. How much distance did Jasmeet cover by bus?														
33.	<p>In an orchard, there are 128 mango trees in 8 rows. If all rows have an equal number of trees</p> <p>a) How many trees will be there in 13 rows? b) Find the number of trees in 5 rows.</p>														
34.	<p>Case Study-1</p> <p>There are 135 books in a library, out of which 40 books are in English, 50 books are in math and the rest of them were in science.</p> <p>i) What is the fraction of science books in the library? Write the fraction in its simplest form.</p> <p>ii) Express as mixed fraction: $\frac{40}{9}$</p> <p>iii) Find the equivalent fraction of $\frac{40}{50}$ with numerator 8.</p> <p>iv) Express the mixed fraction $7\frac{5}{9}$ as improper fraction.</p> 														
35.	<p>Case Study-2</p> <p>Mehak's present age is p years. Read the situation and form expression for it.</p> <p>a) Her sister Sonia is 3 years elder than Mehak. b) Sum of ages of Mehak and Sonia. c) Mehak's mother is 2 times the sum of ages of Mehak and Sonia. d) Mehak's brother is 2 years less than three times Mehak's age.</p> 														

ANSWERS

Q.1	B) Associative	Q.2	B) 9cm	Q.3	D)3.2	Q.4	D) 224998
Q.5	B) 0.611	Q.6	B) 15:21	Q.7	C)5n	Q.8	A) 9:2
Q.9	C) ₹ (2p + 5)	Q.10	C) 6.00102	Q.11	B) 8:5	Q.12	B) 49m
Q.13	A) m=4	Q.14	B) $\frac{1}{4}$	Q.15	C) $\frac{7}{9}$	Q.16 (I)	C) 9:5
Q.16(II)	D) 17:45	Q.16 (III)	D) 2:9	Q.16 (IV)	A) 18:17	Q.16 (V)	D) 17:10
Q.17	$2\frac{1}{4}$ litres	Q.18	3:5	Q.19	₹8000	Q.20	Do as directed
Q.21	20.22litres	Q.22	4kg	Q.23	2,40,000	Q.24	Yes, in proportion Extreme terms = 32,12 Middle terms = 64, 6
Q.25	40tiles	Q.26	209sq.m	Q.27	y = 18	Q.28	7km 450m
Q.29	i) 52800 ii) 6695	Q.30	Joy covers more by 24m	Q.31	k = 4	Q.32	$4\frac{3}{4}$ km
Q.33	a) 208 b) 80	Q.34	i) $\frac{45}{135} = \frac{1}{3}$ ii) $4\frac{4}{9}$ iii) $\frac{8}{10}$ iv) $\frac{68}{9}$	Q.35	a) p + 3 b) p + p + 3 = 2p+3 c) 2(2p+3) d) 3p – 2		