INDIAN SCHOOL AL WADI AL KABIR
Class VIII, Mathematics
WORKSHEET 2026-27
SQUARES AND SQUARE ROOTS

OBJECTIVE TYPE (1 Mark)

Q.1.	The "one's digit" in the square of 54912 is:							
	A	4	**B**	2	**C**	6	**D**	8
Q.2.	If area of a square is 729 m^2, then the side of the square is:							
	A	23	**B**	27	**C**	29	**D**	**19**
Q.3.	The square root of which of the following numbers will end with 6?							
	A	106276	**B**	106274	**C**	10627	**D**	1062
Q.4.	The square root of 4.41 is:							
	A	21	**B**	0.21	**C**	2.1	**D**	210
Q.5.	Number of zeros in the square of 1300 is:							
	A	2	**B**	4	**C**	1	**D**	6
Q.6.	Number of digits will be there in the square root of 12321 is:							
	A	1	**B**	2	**C**	3	**D**	4
Q.7.	Veena took a chit, in that the prime factorization of a number is given as 2 ×11 × 2 × 2 × 2. Find the least number to be divided so as to make it as a perfect square							
	A	2	**B**	11	**C**	5	**D**	3
Q.8.	How many numbers lie between squares of 90and 91?							
	A	45	**B**	170	**C**	180	**D**	90
Q.9.	If area of a square is 62500 m^2, then the side of the square is:							
	A	25	**B**	250	**C**	2.5	**D**	150
Q.10.	If 45^2=2025 then the value of 26^2 is:							
	A	2114	**B**	2026	**C**	2116	**D**	2117
Q.11.	The last digit in the square of 4911 is:							
	A	1	**B**	2	**C**	3	**D**	4
Q.12.	The value of 1+3+5+7+9+11+13+15+17 is:							

	A	9	**B**	81	**C**	80	**D**	84
Q.13.	What is the area of a square if one side is 15m?							
	A	30	**B**	225	**C**	625	**D**	300
Q.14.	The 7 th triangular number is:							
	A	49	**B**	21	**C**	27	**D**	28
Q.15.	What number should be added to 721 to get a perfect square:							
	A	5	**B**	9	**C**	8	**D**	4
	CASE STUDY							
Q.16.	A school plans to create a square-shaped garden in the middle of the playground. The area of the garden will be 144 square meters.							
	i. What is the length of one side of the garden? ii. If the school decides to increase each side of the garden by 2 meters, what will be the new area? iii. How many non-perfect square numbers are there in between squares of 20and 21?							

ANSWERS

	Q.1.	A	**Q.2.**	B	**Q.3.**	A	**Q.4.**	C
	Q.5.	B	**Q.6.**	C	**Q.7.**	B	**Q.8.**	C
	Q.9.	B	**Q.10.**	C	**Q.11.**	A	**Q.12.**	B
	Q.13.	B	**Q.14.**	D	**Q.15.**	C	**Q.16.**	i. 12m ii. 196m^2 iii. 40

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