



INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics

WORKSHEET- (MCQ)

Multiple Choice questions

Q.1.	If $3600=2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5$, then $\sqrt{3600}$ is							
A	120	B	30	C	36	D	60	
Q.2.	If $\frac{\sqrt{x}}{\sqrt{121}} = \frac{15}{11}$, then value of x is							
A	155	B	300	C	225	D	30	
Q.3.	The number of squares between 60 and 70 is							
A	1	B	2	C	0	D	3	
Q.4.	The number to be added to 320 to get a perfect square number							
A	10	B	80	C	20	D	4	
Q.5.	Which of the following is not a perfect square?							
A	1600	B	25000	C	640000	D	81	
Q.6.	The square root of 14641 will have							
A	3 digits	B	2 digits	C	1 digit	D	4 digits	
Q.7.	The number of non-square numbers between 96^2 and 95^2 is _____.							
A	96	B	95	C	190	D	192	
Q8.	Find the smallest whole number by which 216 should be divided to get a perfect square number.							
A	4	B	3	C	2	D	6	
Q.9.	The possible unit digit in the square root of the number 961 is:							
A	1,9	B	4,6	C	3,7	D	2,8	
Q.10.	The square root of 17.64 is							
A	3.2	B	4.2	C	4.8	D	3.8	

FILL IN THE BLANKS

- Q.11. Estimated square root value of 500 is _____.
- Q.12. The number 169 can be expressed as the sum of odd numbers starting from 1 as _____.
- Q.13. By expressing 31^2 as the sum of two consecutive integers, we get the numbers as _____ and _____.
- Q.14. The square of an odd number is _____.
- Q.15. If the area of a square is 529 m^2 , then the length of the side is _____.

CASE STUDY QUESTION

A captain made 700 soldiers stand in rows. He wants the arrangement of soldiers in such a way that number of rows and number of columns remains the same. Then answer the following questions.



Q.16. What is the minimum number of additional soldiers he needs to do this?

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|---|----|---|----|---|----|---|----|
| A | 30 | B | 29 | C | 40 | D | 39 |
|---|----|---|----|---|----|---|----|

Q.17. Find the number of rows and columns.

- | | | | | | | | |
|---|----|---|----|---|----|---|----|
| A | 27 | B | 25 | C | 29 | D | 26 |
|---|----|---|----|---|----|---|----|

Q.18.	Now with the new group of soldiers, if the captain adds more 171 soldiers. Then find the total number of soldiers at present.							
	A	800	B	900	C	1000	D	1200
Q.19.	What will be the square root of the so formed group?							
	A	40	B	20	C	60	D	30
Q.20.	Find the number of zeros in the square of 300.							
	A	1	B	2	C	4	D	0

ANSWERS

1.	D	2.	C	3.	A	4.	D
5.	B	6.	A	7.	C	8.	D
9.	A	10.	B	11.	22	12.	1+3+5+7+9+ 11+13+15+17+ 19+21+23+25
13.	480,481	14.	odd	15.	23 m	16.	B
17.	A	18.	B	19.	D	20.	C