OSDAV Public School, Kaithal
May Test (2024)
Class : VIII
Subject : Maths

SET- A

Time: 50 min **M.M :20**

Name _____ **Class: _____** **Roll no:_____**

Q.No.	Questions	Marks
1	Non square numbers lies between 14^2 and 15^2 : (a) 30 (b) 28 (c) 21 (d) 29	1
2	Number of zeroes in the cube of 30 is (a) 3 (b) 8 (c) 4 (d) 5	1
3	If $\sqrt{18225}$ =135, then evaluate $\sqrt{1.8225}$ + $\sqrt{182.25}$ (a) 135 (b) 270 (c) 14.85 (d) 16.25	1
4	The area of a square field is 374544 cm^2, its side is : (a) 612 cm (b) 622 cm (c) 610 cm (d) 614 cm	1
5	A group of students decided to collect as many Rs from each member of group as is the number of members. If the total collection amounts to Rs 1764 , the number of members in the group are: (a) 42 (b) 52 (c) 32 (d) 88	1
6	Cube of 0.8 is (a) 5.12 (b) 0.512 (c) 51.2 (d) 512	1
7	The cube root of 0.000216 is (a) 0.6 (b) 0.06 (c) 0.006 (d) 0.0006	1
8	The smallest number by which 1715 must be divided to get a perfect cube : (a) 5 (b) 3 (c) 25 (d) 7	1
9	$value\ of\ \frac{\sqrt[3]{343}}{\sqrt[3]{1331}}$ is (a) $\frac{9}{11}$ (b) $\frac{7}{9}$ (c) $\frac{7}{11}$ (d) $\frac{9}{13}$	1
10	The Pythagorean triplet from the following triplets is: (a) 1,2,3 (b) 2,3,4 (c) 8,9,10 (d) 3,4,5	1
11	The least number which must be subtracted from7581 to get a perfect square is : (a) 12 (b) 13 (c) 5 (d) 55	1
12	Value of $4 \times \sqrt[3]{1000}$ is (a) 400 (b) 40 (c) 10 (d) 4	1
13	If $\sqrt[3]{x} = 3$, then the value of x is (a) 27 (b) 3 (c) 9 (d) 39	1
14	Unit digit in square of 4137 is (a) 1 (b) 9 (c) 3 (d) 7	1
15	Which of the following will have 6 at unit place? (a) 19^2 (b) 11^2 (c) 24^2 (d) 13^2	1
16	Cube of an odd number is always _____ .	1
17	Value of $\sqrt{75} \times \sqrt{27}$ is_____.	1

18	Value of $(51)^2 - (50)^2$ is _____ .	1
	Direction : A statement of assertion (A) is followed by a statement of reason (R) in (Q no. 18 to 20) Choose the correct option out of the following : a) Both assertion(A) and reason (R) are true and reason (R) is the correct explanation of assertion (A) b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A) c) Assertion (A) is true but reason (R) is false d) Assertion (A) is false but reason (R) is true.	
19	**Assertion(A)** : A perfect square number between 30 and 40 is 36. **Reason (R) :** A perfect square is a number that can be expressed as the product of an integer by itself or as the second exponent of an integer.	1
20	**Assertion(A) :** 729 is a perfect cube. **Reason (R)** : The perfect cube is the result of multiplying the same integer three times.	1

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SET- B

Time: 50 min **M.M :20**

Name: _____ **Class: _____** **Roll no:_____**

Q.No.	Questions	Marks
1	If $\sqrt{7225}$ = 85, then evaluate $\sqrt{72.25}$ + $\sqrt{0.7225}$ (a) 9.35 (b) 85 (c) 9.85 (d) 16.25	1
2	Number of zeroes in the cube of 500 is (a) 3 (b) 6 (c) 4 (d) 9	1
3	Cube of 1.2 is (a) 17.28 (b) 13.31 (c) 1.728 (d) 1728	1
4	The area of a square field is 14641 cm^2, its side is : (a) 121 cm (b) 122 cm (c) 131 cm (d) 123 cm	1
5	A group of students decided to collect as many Rs from each member of group as is the number of members. If the total collection amounts to Rs 2304 , the number of members in the group are: (a) 42 (b) 48 (c) 32 (d) 88	1
6	numbers lies between 17^2 and 18^2 : (a) 34 (b) 28 (c) 36 (d) 35	1
7	The cube root of 0.000512 is (a) 0.8 (b) 0.08 (c) 0.008 (d) 0.0008	1
8	The smallest number by which 1323 must be multiplied to get a perfect cube : (a) 5 (b) 3 (c) 25 (d) 7	1
9	If $\sqrt[3]{x}$ = 7, then the value of x is (a) 49 (b) 343 (c) 7 (d) 3	1
10	The Pythagorean triplet from the following triplets is: (a) 1,2,3 (b) 4,7,10 (c) 8,9,10 (d) 8,15,17	1
11	The least number which must be subtracted from 9999 to get a perfect square is : (a) 198 (b) 99 (c) 189 (d) 180	1
12	Value of 10 × $\sqrt[3]{729}$ is (a) 900 (b) 90 (c) 10 (d) 19	1
13	$value\ of\ \frac{\sqrt[3]{1331}}{\sqrt[3]{2197}}$ is (a) $\frac{11}{7}$ (b) $\frac{7}{9}$ (c) $\frac{11}{13}$ (d) $\frac{9}{13}$	1
14	Unit digit in square of 3133 is (a) 9 (b) 4 (c) 3 (d) 7	1
15	Which of the following will have 4 at unit place? (a) 12^2 (b) 11^2 (c) 24^2 (d) 13^2	1
16	Value of $\sqrt{125}$ × $\sqrt{45}$ is_____.	1
17	Value of $(37)^2$ - $(36)^2$ is _____ .	1

18	Cube of an even number is always _____ .	1
	Direction : A statement of assertion (A) is followed by a statement of reason (R) in (Q no. 18 to 20) Choose the correct option out of the following : a) Both assertion(A) and reason (R) are true and reason (R) is the correct explanation of assertion (A) b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A) c) Assertion (A) is true but reason (R) is false d) Assertion (A) is false but reason (R) is true.	
19	**Assertion(A) :** 750 is a perfect cube. **Reason (R)** : The perfect cube is the result of multiplying the same integer three times.	1
20	**Assertion(A)** : A perfect square number between 40 and 50 is 49. **Reason (R) :** Square root of a given natural number n is that natural number m whose square is n.	1

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Marking scheme

SET- A

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Q.No.	Questions	Marks
1	(b) 28	1
2	(a) 3	1
3	(c) 14.85	1
4	(a) 612 cm	1
5	(a) 42	1
6	(b) 0.512	1
7	(b) 0.06	1
8	(a) 5	1
9	(c) $\frac{7}{11}$	1
10	(d) 3,4,5	1
11	(a) 12	1
12	(b) 40	1
13	(a) 27	1
14	(b) 9	1
15	(c) 24^2	1
16	Odd	1
17	45	1
18	101	1
19	(a) Both assertion(A) and reason (R) are true and reason (R) is the correct explanation of assertion (A	1
20	(a) Both assertion(A) and reason (R) are true and reason (R) is the correct explanation of assertion (A	1

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Q.No.	Questions	Marks
1	(a) 9.35	1
2	(b) 6	1
3	(c) 1.728	1
4	(a) 121 cm	1
5	(b) 48	1
6	(a) 34	1
7	(b) 0.08	1
8	(d) 7	1
9	(b) 343	1
10	(d) 8,15,17	1
11	(a) 198	1
12	(b) 90	1
13	(c) $\frac{11}{13}$	1
14	(a) 9	1
15	(a) 12^2	1
16	75	1
17	73	1
18	Even	1
19	b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A)	1
20	d) Assertion (A) is false but reason ® is true	1