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India's Number 1 Education App

## MATHS

## BOOKS -VGS PUBLICATION-BRILLIANT

## SQUARE ROOT AND CUBE ROOTS

Example

1. Find the perfect squares between 100 and

150
2. Find the perfect squares between: 150 and 200

## - Watch Video Solution

3. Is 56 a perfect square?Give reasons.

D Watch Video Solution
4. Guess and give reason which of the following numbers are perfect squares.verify from the above table:84.

## D Watch Video Solution

5. Guess and give reason which of the following numbers are perfect squares.verify from the above table:108.
6. Guess and give reason which of the following numbers are perfect squares.verify from the above table: 271.

## D Watch Video Solution

7. Guess and give reason which of the following numbers are perfect squares.verify from the above table:529.
8. Guess and give reason which of the following numbers are perfect squares.verify from the above table:529.

## D Watch Video Solution

9. Which of the following have one in its units
place : $126^{2}$.
(D) Watch Video Solution
10. Which of the following have one in its units
place : $179^{2}$.

- Watch Video Solution

11. Which of the following have one in its units
place : $281^{2}$.
( Watch Video Solution
12. Which of the following have one in its units place: $363^{2}$.

## D Watch Video Solution

13. Vaishnavi claims that the square of even numbers are even and square of odd are odd.

Do you agree with her? Justify.

## - Watch Video Solution

14. Guess, how many digits are there in the squares of 72.

D Watch Video Solution
15. Guess, how many digits are there in the square of 103

D Watch Video Solution
16. Guess, how many digits are there in the square of 1000

D Watch Video Solution
17. How many perfect cubes are there between 500 and 1000 ?

D Watch Video Solution
18. Sangeetha said that each time you add two
integers, the value of the sum is greater than
the numbers. Is sangeetha right? Give reasons
for your answer.

## - Watch Video Solution

19. What will be the units digit of the square of
the following numbers :297.

D Watch Video Solution
20. What will be the units digit of the square of the following numbers :39.

## D Watch Video Solution

21. What will be the units digit of the square of
the following numbers :297.

## D Watch Video Solution

22. What will be the units digit of the square of the following numbers : 5125.

D Watch Video Solution
23. What will be the units digit of the square of the following numbers :7286.

## D Watch Video Solution

24. What will be the units digit of the square of the following numbers : 8742 .

- Watch Video Solution

25. Write all the factors of the following numbers 115

- Watch Video Solution

26. Write all the factors of the following numbers 115

D Watch Video Solution
27. Which of the following numbers : 256 .

## D Watch Video Solution

28. Write all the factors of the following numbers 115

## - Watch Video Solution

29. Which of the following numbers :600

- Watch Video Solution

30. Which of the perfect cubes? 512

D Watch Video Solution
31. Which of the perfect cubes? 400

## - Watch Video Solution

32. Which of the perfect cubes? 500

- Watch Video Solution

33. Which of the perfect cubes? 512

- Watch Video Solution

34. Which of the perfect cubes? 729

## - Watch Video Solution

35. What is a smallest number by which 2560 is to be multiplied so that the product is a perfect cube?

## - Watch Video Solution

36. What is a smallest number by which 1600 is to be divided so that the quotient is a perfect cube?
37. Find the cube roots of 8 .

- Watch Video Solution

38. Find the cube of the number 16.

## D Watch Video Solution

39. Find the cube of the number 21.
40. Find the cube of the number 30 .

- Watch Video Solution

41. Test whether the given number is perfect cube or not: 243

- Watch Video Solution

42. Test whether the given number is perfect cube or not: 516

- Watch Video Solution

43. Test whether the given number is perfect cube or not: 243
( Watch Video Solution
44. Test whether the given number is perfect cube or not: 8000

D Watch Video Solution
45. Test whether the given number is perfect
cube or not: 2700

- Watch Video Solution

46. Find the smallest number by which 8788 must be multiplied to obtain a perfect cube?

## D Watch Video Solution

47. What smallest number should 7803 be multiplied with so that the product becomes a perfect cube?

## D Watch Video Solution

48. Find the smallest number by which 8640 must divided so that the quotient is a perfect cube.

## D Watch Video Solution

49. Ravi made a cuboid of plasticine of
dimensions $12 \mathrm{~cm}, 8 \mathrm{~cm}$ and 3 am . How many minimum number of such cuboids will be needed to form a cube?
50. Find the smallest prime number dividing the sum $3^{11}+5^{13}$

- Watch Video Solution

51. Find the cube root of 4096 ?
( Watch Video Solution
52. Find the cube root of the number by prime
factorization method: 343

D Watch Video Solution
53. Find the cube root of the number by prime factorization method: 729
( Watch Video Solution
54. Find the cube root of the number by prime
factorization method: 1331

D Watch Video Solution
55. Find the cube root of the number by prime factorization method: 2744

D Watch Video Solution
56. Find the cube root of the number through estimation: 512

D Watch Video Solution
57. Find the cube root of the number through estimation: 2197

D Watch Video Solution
58. Find the cube root of the number through estimation: 3375

D Watch Video Solution
59. Find the cube root of the number through estimation: 5832

D Watch Video Solution
60. True or False: Cube of an even number is an odd number.

- Watch Video Solution

61. True or False: A perfect cube may end with two zeros.
(D) Watch Video Solution
62. True or False: If a number ends with5, then
its cube ends with 5.

- Watch Video Solution

63. True or False: Cube of a number ending with zero has three zeros at its right.

- Watch Video Solution

64. True or False: Cube of an even number is an odd number.

D Watch Video Solution
65. True or False: Cube of an even number is an odd number.
(D) Watch Video Solution
66. True or False: The cube of a two digit number may be a three digit number.

D Watch Video Solution
67. Find the two digit number which is a square number and also a cubic number.

D Watch Video Solution
68. If $a, b$ and $c$ are Pythagorian triplet, which of the following statement is true?
A. $a^{2}-b^{2}=c$
B. $a^{2}+b^{2}=c^{2}$
C. $b=c^{2}-a^{2}$
D. $a^{2}>b^{2}+c^{2}$

## Answer:

1. The following numbers are not perfect squires. Give reasons:257.

## D Watch Video Solution

2. The following numbers are not perfect squares. Give reasons: 4592.

D Watch Video Solution
3. The following numbers are not perfect squares. Give reasons: 2433.

## D Watch Video Solution

4. The following numbers are not perfect squares. Give reasons: 5050.

## D Watch Video Solution

5. The following numbers are not perfect squires. Give reasons: 6098.
6. Find whether the square of the following numbers are even or odd :431.

- Watch Video Solution

7. Find whether the square of the following numbers are even or odd : 2826.
8. Find whether the square of the following numbers are even or odd : 8204.
( Watch Video Solution
9. Find whether the square of the following numbers are even or odd : 17779.

- Watch Video Solution

10. Find whether the square of the following numbers are even or odd : 99998.

D Watch Video Solution
11. How many numbers lie between the square of the following numbers:25 and 26.
12. How many numbers lie between the square of the following numbers:56, 57.

- Watch Video Solution

13. How many numbers lie between the square of the following numbers: 107:108.
14. Without adding, find the sum of the following numbers : 1+3+5+7+9.

## D Watch Video Solution

15. Without adding, find the sum of the following numbers
$1+3+5+7+9+11+13+15+17+19+21+23+25$

D Watch Video Solution
16. Without adding, find the sum of the following numbers
$1+3+5+7+9+11+13+15+17+19+21+23+25$

## D Watch Video Solution

17. Check whether the following numbers form

Pythagorean triplet : 2,3,4.

## - Watch Video Solution

18. Check whether the following numbers form

Pythagorean triplet : 6, 8, 10.

## D Watch Video Solution

19. Check whether the following numbers form

Pythagorean triplet: 9, 10, 11.

## D Watch Video Solution

20. Check whether the following numbers form

Pythagorean triplet : 8, 15, 17.

- Watch Video Solution

21. Check whether the following numbers form

Pythagorean triplet : 2,3,4.

D Watch Video Solution
22. By subtraction of successive odd numbers
find whether the following numbers are perfect squares or not :55

## D Watch Video Solution

23. By subtraction of successive odd numbers
find whether the following numbers are perfect squares or not :90.
24. By subtraction of successive odd numbers
find whether the following numbers are perfect squares or not : 121.

## - Watch Video Solution

25. Find the square root of 1296 by Prime

Factorization.

- Watch Video Solution

26. Find the square root of 2025.

## - Watch Video Solution

27. Find the smallest number by which 720
should be multiplied to get a perfect square.

## D Watch Video Solution

28. Find the smallest number by which 6000
should be divided to get a perfect square and
also find the square root of the resulting number.

## D Watch Video Solution

29. Find the square root of the following numbers by prime factorization method :441.

## - Watch Video Solution

30. Find the square root of the following numbers by prime factorization method: 784
31. Find the square root of the following numbers by prime factorization method: 4096.

## - Watch Video Solution

32. Find the square root of the following numbers by prime factorization method 7056.

## Watch Video Solution

33. Find the smallest number by which 3645 must be multiplied to get a perfect square :

## D Watch Video Solution

34. Find the smallest number by which 2400 is
to be multiplied to get a per-. fect square and also find the square.
35. Find the smallest number by which 7776 is to be divided to get a perfect square:

## - Watch Video Solution

36. 1521 trees are planted in a garden in such a way that there are as many trees in each row as there are rows inthe garden. Find the number of rows and number of trees in each row.
37. Aschool collected 2601 as fees from its
students. If fee paid by each student and number of students in the school were equal, how many students were there in the school?.

## D Watch Video Solution

38. Aschool collected 2601 as fees from its
students. If fee paid by each student and number of students in the school were equal, how many students were there in the school?.
39. The product of two numbers is 1296 . If one number is 16 times the other,find the two numbers.

D Watch Video Solution
40. 7921 soldiers sat in an auditorium in such a
way that there are as inany soldiers in a row as
there are rows in the auditorium.how many rows are there in the Auditorium.

## D Watch Video Solution

41. the area of the square field is $5184 m^{2}$ Find
the area of a rectangular field, whose perimeter is equal to the perimeter of the square field andwhose length is twice of its breadth.
42. Observe the following divisions, give reasons why 8 in the divisor 48 is considered in the above example?


- Watch Video Solution

43. Find the square root of 1296 by Prime Factorization.

- Watch Video Solution

44. Find the square root of 8281.

## D Watch Video Solution

45. Find the least perfect square with four digits.

## - Watch Video Solution

46. Find the least number that is to be
subtracted from 4000 to make it perfect

## square

## D Watch Video Solution

# 47. Find the square root of 42.25 using division 

 method.
## D Watch Video Solution

48. Find $\sqrt{96.04}$

D Watch Video Solution
49. Find the square root of the following. numbers by division method:1089

D Watch Video Solution
50. Find the square root of the following. numbers by division method:2304.
51. Find the square root of the following. numbers by division method:7744.

D Watch Video Solution
52. Find the square root of the following. numbers by division method: 6084 .

D Watch Video Solution
53. Find the square root of the following. numbers by division method: 9025 .

- Watch Video Solution

54. Find the square root of the following decimal numbers :2.56.
(D) Watch Video Solution
55. Find the square root of the following decimal numbers :18.49

- Watch Video Solution

56. Find the square root of the following decimal numbers : 68.89.
(D) Watch Video Solution
57. Find the square root of the following decimal numbers :84.64.

## D Watch Video Solution

58. Find the least number that is to be subtracted from 4000 to make it perfect square

- Watch Video Solution

59. Find the length of the side of a square whose area is 4489 sq.cm.

## D Watch Video Solution

60. A gardener wishes to plant 8289 plants in
the form of a square and found that there
wwere 8 plants left. How many plants were planted in each row?
61. Find the least perfect square with four digits.

## - Watch Video Solution

62. Find the least number which must be added to 6412 to make it a perfect square.

## - Watch Video Solution

63. Estimate the value of the numbers to the nearest whole number: $\sqrt{97}$

D Watch Video Solution
64. Estimate the value of the numbers to the
nearest whole number: $\sqrt{250}$

D Watch Video Solution
65. Estimate the value of the numbers to the nearest whole number: $\sqrt{780}$

D Watch Video Solution
66. Is 81 a perfect cube?

## D Watch Video Solution

67. Is 125 a perfect cube?
68. How many perfect cube numbers are present between 1 and 100, 1 and 500, 1 and 1000?

## D Watch Video Solution

69. How many perfect cubes are there between 500 and 1000 ?

## 70. Find the digit in units place of each of the

 numbers: $75^{3}$
## D Watch Video Solution

71. Find the digit in units place of each of the numbers: $123^{3}$

D Watch Video Solution
72. Find the digit in units place of each of the numbers: $157^{3}$

- Watch Video Solution

73. Find the digit in units place of each of the numbers: $198^{3}$

- Watch Video Solution

74. Find the digit in units place of each of the numbers: $123^{3}$

- Watch Video Solution

75. Which of the following is Pythagorean Triplet?
A. $(1,2,2)$
B. $(4,5,6)$
C. $(3,4,5)$
D. $(5,6,7)$

## Answer:

## D Watch Video Solution

76. Which of the following number is doesn't
lie in the units place of a square number?
A. 1
B. 4
C. 3
D. 5

## Answer:

## D Watch Video Solution

77. Which of the following is not a per fect square number?
A. 121
B. 625
C. 1024
D. 367

## Answer:

## D Watch Video Solution

78. $\sqrt{625}+\sqrt{441}$
A. 47
B. $\sqrt{1066}$
C. 46
D. 45

## Answer:

## - Watch Video Solution

# 79. The units digit of $(1234562)^{2}$ 

A. 6
B. 3
C. 8
D. 4
80. కింది క్రమాన్ని గమనించండి. $111^{2}=12321$
A. 12341
B. 12321
C. 12312
D. 12221

## Answer:

81. $1+3+5+7+9,=$
A. $9^{2}$
B. $7^{2}$
C. $5^{2}$
D. $4^{2}$

Answer:

## D Watch Video Solution

82. find the square root (10201)
A. 1001
B. 101
C. 111
D. 121

## Answer:

83. No. of integers lie between $4^{2}$ and $5^{2}$
A. 8
B. 10
C. 9
D. 11

Answer:

D Watch Video Solution
84. 5.67891 is a...... number.

A. prime

B. odd
C. even
D. none

Answer:
(D) Watch Video Solution
85. Which of the following is a perfect cube number?.
A. 25
B. 64
C. 81
D. 100

Answer:

D Watch Video Solution
86. No. of non-perfect square numbers
between $\mathrm{n}^{\wedge} 2$ and $(n+1)^{2}$ are
A. $\frac{n}{2}$
B. 2 n
C. $n^{2}$
D. n

Answer:

D Watch Video Solution
87. If there are no common factors other
than'l' among $a, b, c$ then the triplet is called
a
A. Primitive
B. Secondary
C. Triplet
D. None

## Answer:

D Watch Video Solution
$88.13^{2}=+12^{2}$
A. 10
B. 2
C. $5^{2}$
D. 10

Answer:

## - Watch Video Solution

89. $S q r t(225)$
A. 12
B. 16
C. 15
D. 13

Answer:

- Watch Video Solution

90. $\sqrt{2025}=\ldots \ldots \ldots$.
A. 35
B. 45
C. 54
D. 15

Answer:

D Watch Video Solution

# 91. Find the smallest number by which 3645 

 must be multiplied to get a perfect square :A. 19
B. 16
C. 10
D. 15

Answer:

D Watch Video Solution
92. Find the smallest number by which 720 should be multiplied to get a perfect square.
A. 13
B. 9
C. 5
D. 10

## Answer:

D Watch Video Solution

## 93. should be subtracted from 4215 to

 become a perfect square number.A. 119
B. 120
C. 110
D. 1

Answer:

D Watch Video Solution
94. Find the square root of 42.25 using division method.
A. 7
B. 6.5
C. 8.5
D. 5.5

Answer:

D Watch Video Solution

## 95. The nearest value of $\sqrt{300}=$

A. 19
B. 31
C. 17
D. 16

Answer:

D Watch Video Solution

## 96. The side of a square is 19 units then its

 area is___sq. units,A. 312
B. 191
C. 163
D. 361

Answer:

D Watch Video Solution

# 97. The area of a square is 1024 sq.units, then 

its side is ___units.
A. 32
B. 22
C. 62
D. 92

Answer:

D Watch Video Solution

## 98. The cube of 11 is

A. 1131

B. 1331
C. 1231
D. 1431

Answer:

## - Watch Video Solution

99. The perfect square and cube number of a two digited number is
A. 32
B. 91
C. 16
D. 64

Answer:

D Watch Video Solution
100. Sum of 20 terms of $3+5+7+9+\ldots$ is
A. $3^{3}$
B. $3^{4}$
C. $3^{5}$
D. $3^{10}$

Answer:

D Watch Video Solution
101. Find the approximate value of $\sqrt[3]{999}$
A. 27
B. 13
C. 18
D. 17

Answer:

## - Watch Video Solution

102. The units digit of $(1234562)^{2}$
A. 10
B. 3
C. 9
D. 4

## Answer:

D Watch Video Solution
103. Find the smallest number by which 3645
must be multiplied to get a perfect square :
A. 15
B. 40
C. 25
D. 35

Answer:

- Watch Video Solution

104. Find the approximate value of $\sqrt[3]{999}$
A. 13
B. 21
C. 16
D. 31

## Answer:

D Watch Video Solution
105. $\sqrt[3]{x}=12$ implies $X^{\prime}=$
A. 1728
B. 1928
C. 1314
D. 1628

## Answer:

## D Watch Video Solution

106. The value of $\sqrt{97}$ is nearer to
A. 14
B. 13
C. 11
D. 10

## Answer:

## D Watch Video Solution

107. $6^{3}=$
A. 161
B. 216
C. 116
D. 117

## Answer:

## - Watch Video Solution

108. The side of a square is 72 cm then its perimeter is___cm.
A. 298
B. 148
C. 288
D. 188

## D Watch Video Solution

109. How many integers are in between the squares of $25,26 . ?$
A. 50
B. 60
C. 70
D. 100

## Answer:

## D Watch Video Solution

110. The units digit in the square of 431 is
A. 3
B. 7
C. 0
D. 1

## - Watch Video Solution

111. $\left(2^{4}\right)^{2}$
A. 512
B. 156
C. 258
D. 256

Answer:

- Watch Video Solution

112. $3^{5}$
A. 243
B. 81
C. 813
D. 432

Answer:

D Watch Video Solution
113. Find the smallest number by which 8788 must be multiplied to obtain a perfect cube?
A. 7
B. 4
C. 2
D. 3

Answer:

D Watch Video Solution
114. $\sqrt[3]{2744}=$
A. 14
B. 24
C. 34
D. 16

Answer:

## - Watch Video Solution

115. $\operatorname{Sqrt}(175.2976)$
A. 36.15
B. 81.14
C. 11.24
D. 13.24

Answer:

## D Watch Video Solution

116. $(\sqrt{a})^{2}=$
A. $\sqrt{a}$
B. 2a
C. $\frac{a}{2}$
D. a

## Answer:

## - Watch Video Solution

117. $\sqrt{1471369}$
A. 1213
B. 1321
C. 1132
D. 1141

## Answer:

## D Watch Video Solution

118. The square root of $6084=$
A. 87
B. 78
C. 88
D. 68

## Answer:

## D Watch Video Solution

119. $\sqrt{2}=. . . . . . . . . . . . . . .$.
A. 1.414
B. 1.5
C. 1.811
D. 1.3

## Answer:

## - Watch Video Solution

120. $S q r t 169+\sqrt{25}=$.
A. 18
B. 19
C. 13
D. 12

- Watch Video Solution

121. $\sqrt{176(\sqrt{2401})}=$
A. 25
B. 15
C. 31
D. 35

Answer:
122. In the expansion of $3^{11}$ the units digit is
A. 3
B. 7
C. 10
D. 16

## Answer:

D Watch Video Solution
123. Car number of Jaya is 8289 then the square root of that number is
A. 32
B. 70
C. 83
D. None

Answer:

D Watch Video Solution
124. $\sqrt{9025}=. . . . . . . . . . . . . . . . .$.
A. 95
B. 59
C. 69
D. 73

Answer:

- Watch Video Solution

125. Without adding, find the sum of the following numbers
$1+3+5+7+9+11+13+15+17+19+21+23+25$
A. 132
B. 168
C. 139
D. 169

Answer:

D Watch Video Solution
126. How many cube numbers are there between 1 to 100 ?
A. 9
B. 10
C. 3
D. 13

Answer:

D Watch Video Solution
127. Guess, how many digits are there in the squares of 72.
A. 4 or 3
B. 3 or 6
C. 2 or 7
D. None

Answer:

D Watch Video Solution
128. $\operatorname{Sqrt}(121)=. . . . . . . . .$.
A. 11
B. 16
C. 31
D. 12

Answer:

- Watch Video Solution

129. $3^{2}+4^{2}=K^{2}, \mathrm{~K}=$
A. 10
B. 13
C. 5
D. 25

Answer:

- Watch Video Solution

130. How many Integers are there between $9^{2}$ and $10^{2}$
A. 16
B. 13
C. 28
D. 18

Answer:

D Watch Video Solution
131. $\sqrt{55}$ is
A. not a square number
B. square number
C. cube number
D. value is 10

Answer:
(D) Watch Video Solution
132. $\sqrt[3]{64}=$
A. 9
B. 16
C. 10
D. 4

Answer:

## - Watch Video Solution

133. Sum of $n$ odd number is
A. $n^{2}$
B. 2 n
C. n
D. $\mathrm{n}-1$

## Answer:

## - Watch Video Solution

134. Identify Pythagorean Triplet.
A. 1, 2, 7
B. 8, 9, 6
C. 3,4,6
D. $6,8,10$

## Answer:

## D Watch Video Solution

135. $8^{2}+K^{2}-17^{2}$ then $\mathrm{K}=$
A. 15
B. 16
C. 19
D. 20

## Answer:

## D Watch Video Solution

136. $\sqrt{4^{4}+5^{4}}=$
A. 4
B. 5
C. $4^{2} \times 5^{2}$
D. $4 \times 5$

## Answer:

## - Watch Video Solution

137. $\sqrt{\frac{25}{64}}=$
A. $\frac{5}{9}$
B. $\frac{5}{8}$
C. $\frac{15}{31}$
D. $\frac{5}{4}$

- Watch Video Solution

138. $\sqrt{1}=\ldots . . .$.
A. 0
B. 1
C. 6
D. 4

Answer:
139. $\sqrt{3388}=\ldots . . . . . . . . .$.
A. $\sqrt[30]{7}$
B. $\sqrt[10]{7}$
C. $\sqrt[12]{7}$
D. $\sqrt[22]{7}$

## Answer:

## - Watch Video Solution

140. $\sqrt[3]{500}+\sqrt[3]{686}=\ldots \ldots . . . . . . .$.
A. 16
B. 30
C. 70
D. 80

Answer:

D Watch Video Solution
141. $\sqrt{0.4489}=$
A. 0.67
B. 6.7
C. 8.5
D. 7.7

Answer:

## D Watch Video Solution

142. $\sqrt{12}\left(\frac{169}{676}\right)=$

> А. $2\left(\frac{4}{5}\right)$
> в. $9\left(\frac{4}{7}\right)$
> С. $3\left(\frac{1}{26}\right)$
D. ${ }^{\prime}$ sqrt $3 / 2$

## Answer:

- Watch Video Solution

143. $15^{3}=$
A. 3375
B. 7375
C. 1375
D. 1525

Answer:

## D Watch Video Solution

144. $\sqrt{142884}=. . . . . . . . . .$.
A. 144
B. 278
C. 178
D. 378

Answer:

- Watch Video Solution

145. $\sqrt{1156}=\mathrm{x}$ then $\mathrm{x}=$
A. 44
B. 34
C. 84
D. 94

Answer:

- Watch Video Solution

146. 1, 4, 9, 16, 25 are numbers.
A. Square
B. Cube
C. Pure

D. None

Answer:
147. $(21)^{2}=$
A. 144
B. 441
C. 141
D. 191

Answer:
( Watch Video Solution
148. $(0.2)^{2}=$
A. 0.4
B. 0.004
C. 0.45
D. 0.04

Answer:

- Watch Video Solution

149. $(-2)^{3}=$
A. 8
B. $\frac{1}{8}$
C. $\frac{1}{3^{2}}$
D. $(-8)$

Answer:

## - Watch Video Solution

150. $\sqrt[3]{64}=$
A. 416
B. 189
C. 343
D. 143

Answer:

D Watch Video Solution

## 151. If $\sqrt{2}=1.414$ then the value of $\sqrt{\frac{200}{49}}$

A. 2.02
B. 20.2
C. 30.2
D. 21.2

## Answer:

O

## 152. If $n^{3}=2744$ then the value of $n^{2}-11$ is

A. 145
B. 175
C. 165
D. 185

## Answer:

## - Watch Video Solution

153. $\sqrt[3]{500}+\sqrt[3]{686}=$
A. 160
B. 420
C. 129
D. 120

Answer:

## - Watch Video Solution

154. $\sqrt{\frac{0.01}{0.81}}=$
A. $\frac{1}{5}$
B. $\frac{1}{2}$
C. $\frac{1}{9}$
D. 9

Answer:

- Watch Video Solution

155. $\sqrt{2 \frac{14}{25}}=$
A. $\frac{8}{7}$
B. $\frac{8}{5}$

## 5 <br> C. $\frac{5}{8}$ <br> D. $\frac{1}{3}$

## Answer:

## - Watch Video Solution

156. $\sqrt[3]{217}=$
A. 7
B. 8
C. 9

## D. none

## Answer:

## D Watch Video Solution

157. Explain why each of the lists above is a G.P.
(i) $1,4,16,64,256, \ldots . . .$.
A. 27
B. 25
C. 26

## D. 10

## Answer:

## D Watch Video Solution

158. Which of the following number is called

Ramanujans number ?
A. 1729
B. 1728
C. 1818

## D. 1719

## Answer:

## D Watch Video Solution

159. $\sqrt[3]{0.001331}=$
A. $(0.011)^{2}$
B. 0.11
C. $(0.11)^{2}$
D. $(0.11)^{4}$

## Answer:

## D Watch Video Solution

160. $1^{3}+2^{3}=$
A. 10
B. $3^{3}$
C. $3^{2}$
D. 92

- Watch Video Solution

161. $\sqrt[3]{0.729}-\sqrt[3]{0.343}=$
A. 0.5
B. 0.2
C. 0.7
D. 0.45

Answer:

# 162. Identify perfect cube among the following: 

A. 512
B. 14
C. 100
D. 96

## Answer:

D Watch Video Solution
163. $\sqrt[3]{\frac{1}{27}}=$

$$
\begin{aligned}
& \text { A. } \frac{1}{8} \\
& \text { B. } \frac{1}{4} \\
& \text { C. } \frac{1}{6} \\
& \text { D. } \frac{1}{3}
\end{aligned}
$$

Answer:

## - Watch Video Solution

164. If $a+b+c=0$, prove that $a^{3}+b^{3}+c^{3}=3 a b c$
A. $\frac{a b c}{3}$
B. 3abc
C. $a b+c$
D. $\frac{a b}{c}$

Answer:
( Watch Video Solution
165. $12^{3}+1^{3}=$
A. 1718
B. 1719
C. 1729
D. 1829

Answer:
( Watch Video Solution
166. $1^{3}+2^{3}+3^{3}=$
A. $5^{2}$
B. $6^{2}$
C. $8^{2}$
D. $9^{2}$

Answer:

## D Watch Video Solution

167. Cube root of 2545 is
A. 10
B. 20
C. 25
D. None

## Answer:

## D Watch Video Solution

168. Kishore told "Every number isasquare number": Krishna told "Every.number is pure'number".In the above two statements who is correct ?
A. Kishore
B. Krishna
C. Both are correct.
D. Both are false

Answer:

D Watch Video Solution
169. Identify polyndrome number in the following numbers.
A. 15651

B. 16566

C. 15655
D. 165167

Answer:

## D Watch Video Solution

170. If $\mathrm{y}=x^{3}$ then
A. $\mathrm{x}=\sqrt[3]{y}$

$$
\text { B. } x=\sqrt{y}
$$

C. $\sqrt{x}=y^{2}$
D. None

Answer:

- Watch Video Solution

171. $\sqrt[3]{9261}=$
A. 11
B. 41
C. 21
D. 14

## Answer:

## D Watch Video Solution

172. If $17<\sqrt{x}<18$, then $x=$
A. 100
B. 900
C. 300
D. 20

## Answer:

## D Watch Video Solution

173. The number of surfaces of a cuboid is
A. Side
B. Cube
C. Complete cube
D. Cubola

## Answer:

- Watch Video Solution

