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Spardhaguru Current affairs



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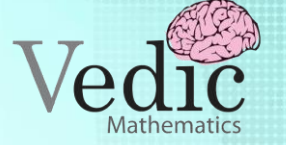
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1. Find the sum of the face values of 3 and 6 in 907364.

907364 ರಲ್ಲಿ 3 ಮತ್ತು 6 ರ ಮುಖಬೆಲೆಗಳ ಮೊತ್ತವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

- (a) 15 (b) 20
(c) 9 (d) 18

2. The difference between the place values of the both 5 in 1452058 is

1452058 ರಲ್ಲಿ ಎರಡೂ 5ಗಳ ಸ್ಥಾನ ಮೌಲ್ಯಗಳ ನಡುವಿನ ವ್ಯತ್ಯಾಸ

[RRB ALP 2018]

- (a) 51950 (b) 49950
(c) 49050 (d) 0

3. Which of the number is neither prime nor composite?

ಸಂಖ್ಯೆಗಳಲ್ಲಿ ಯಾವುದು ಅವಿಭಾಜ್ಯ ಅಥವಾ ಸಂಯೋಜಿತವಲ್ಲ?

[RRB ASM 2009]

- (a) 0 (b) 1
(c) 3 (d) 2

4. Which of the following is both odd as well as prime number?

ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಬೆಸ ಮತ್ತು ಅವಿಭಾಜ್ಯ

ಸಂಖ್ಯೆಯಾಗಿದೆ?

- (a) 17 (b) 15
(c) 21 (d) 9

5. Which of the following number is divisible by 9?

ಕೆಳಗಿನ ಯಾವ ಸಂಖ್ಯೆಯು 9 ರಿಂದ ಭಾಗಿಸಲ್ಪಡುತ್ತದೆ

- (a) 2350821 (b) 2870052
(c) 4213533 (d) 6400080

6. If 295×5 is divisible by 11, then the value of x is

295×5 ಅನ್ನು 11 ರಿಂದ ಭಾಗಿಸಿದರೆ, x ನ ಮೌಲ್ಯ

[RRB Group D 2018]

- (a) 4 (b) 3
(c) 2 (d) 1

1) The unit digit in the product 122^{173} is

- a) 2 ✓ b) 4 c) 6 d) 8

2) The unit digit in the sum of $(124)^{372} + (124)^{373}$

- a) 5 b) 4 c) 20 d) 0 ✓

3) The digit in the unit place in the square root of 66049 is

- a) 3 b) 7 ✓ c) 8 d) 2

4) Find the unit digit in the product $(4387)^{245} \times (621)^{72}$

- a) 1 b) 2 c) 5 d) 7 ✓

5) What is the unit digit of the sum of first 111 whole numbers?

- a) 4 b) 6 c) 5 ✓ d) 0

6) What is the unit digit of $(217)^{413} \times (819)^{547} \times (414)^{624} \times (342)^{812}$?

- a) 2 b) 4 c) 6 d) 8 ✓

7) If the unit digit of $(433 \times 456 \times 43N)$ is $(N + 2)$, then what is the value of N?

- a) 1 b) 8 c) 3 d) 6 ✓

7. The unit digit in $3 \times 38 \times 537 \times 1256$ is

[SSC CGL 2013]

- (a) 4 (b) 2
(c) 6 (d) 8

8. Unit's place digit in $(122)^{173}$ is

[SSC CGL 2011]

- (a) 2 (b) 4
(c) 6 (d) 8





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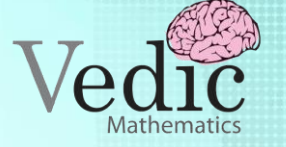
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9. The total number of divisors of 432 are

ಒಟ್ಟು 432 ಭಾಜಕಗಳ ಸಂಖ್ಯೆ

- (a) 12 (b) 14
(c) 18 (d) 16

10. How many prime factors are there in $7^4 \times 8^3 \times 27^4$?

- (a) 16 (b) 13
(c) 25 (d) 23

11. Convert binary number 11101 into decimal number.

ಬೈನರಿ ಸಂಖ್ಯೆ 11101 ಅನ್ನು ದಶಮಾಂಶ ಸಂಖ್ಯೆಗೆ ಪರಿವರ್ತಿಸಿ

- (a) 22 (b) 18
(c) 29 (d) 36

12. Convert decimal number 32 into binary number.

ದಶಮಾಂಶ ಸಂಖ್ಯೆ 32 ಅನ್ನು ಬೈನರಿ ಸಂಖ್ಯೆಗೆ ಪರಿವರ್ತಿಸಿ

- (a) 101100 (b) 100010
(c) 111110 (d) 100000

13. The nearest number to 99548 which is divisible by 687, is

687 ರಿಂದ ಭಾಗಿಸಬಹುದಾದ 99548 ಗೆ ಹತ್ತಿರದ ಸಂಖ್ಯೆ

[RRB Group D 2018]

- (a) 99481 (b) 99615
(c) 99550 (d) 99540

14. What is the sum of first 25 natural numbers?

ಮೊದಲ 25 ನೈಸರ್ಗಿಕ ಸಂಖ್ಯೆಗಳ ಮೊತ್ತ ಎಷ್ಟು?

- (a) 320 (b) 325
(c) 400 (d) 600

15. What is the sum of 1, 3, 5, 7, 9, 11, 13, 15, 17 and 19?

1, 3, 5, 7, 9, 11, 13, 15, 17 ಮತ್ತು 19 ರ ಮೊತ್ತ ಎಷ್ಟು?

- (a) 100 (b) 120
(c) 90 (d) 110

16. The sum of squares of first 50 natural numbers is

ಮೊದಲ 50 ನೈಸರ್ಗಿಕ ಸಂಖ್ಯೆಗಳ ವರ್ಗಗಳ ಮೊತ್ತ

[RRB ASM 2009]

- (a) 40000 (b) 58725
(c) 42925 (d) 255025

17. The sum of cubes of first 10 natural numbers is

ಮೊದಲ 10 ನೈಸರ್ಗಿಕ ಸಂಖ್ಯೆಗಳ ಘನಗಳ ಮೊತ್ತ

- (a) 2046 (b) 1000
(c) 3025 (d) 4005

18. If $(43^{45} + 5)$ is divided by 44, the remainder is

$(43^{45} + 5)$ ಅನ್ನು 44 ರಿಂದ ಭಾಗಿಸಲಾಗಿದೆ, ಉಳಿದ ಶೇಷವು

- (a) 5 (b) 4
(c) 3 (d) 6

19. $142^2 - 1$ is divisible by

[SSC (10+2) 2015]

- (a) 19 (b) 7
(c) 9 (d) 13

Practice Questions

8) The unit digit in the product 122^{173} is

- b) 2 ✓ b) 4 c) 6 d) 8

9) The unit digit in the sum of $(124)^{372} + (124)^{373}$

- b) 5 b) 4 c) 20 d) 0 ✓

10) The digit in the unit place in the square root of 66049 is

- b) 3 b) 7 ✓ c) 8 d) 2

11) Find the unit digit in the product $(4387)^{245} \times (621)^{72}$

- b) 1 b) 2 c) 5 d) 7 ✓





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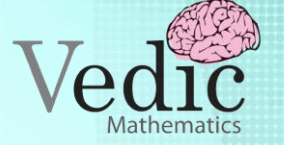
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12) If in a two-digit number, the digit at unit place is z and the digit at tens place is 8, then the number is

- a) $80z + z$ b) $80 + z$ ✓
c) $8z + 8$ d) $80z + 1$

13) Find the unit place digit in $71 \times 72 \times 73 \times 74 \times 76 \times 77 \times 78 \times 79$.

- a) 2 b) 0 c) 4 d) 6 ✓

14) What is the unit digit of the sum of first 111 whole numbers?

- b) 4 b) 6 c) 5 ✓ d) 0

15) What is the unit digit of $(217)^{413} \times (819)^{547} \times (414)^{624} \times (342)^{812}$?

- b) 2 b) 4 c) 6 d) 8 ✓

16) If the unit digit of $(433 \times 456 \times 43N)$ is $(N + 2)$, then what is the value of N ?

- b) 1 b) 8 c) 3 d) 6 ✓

17) Find the unit place digit in the given expression.

$$(153)^{144} - (115)^{123} - (111)^{510} + (216)^{25}$$

- a) 1 ✓ b) 5 c) 6 d) 3

18) What is the unit digit in the product $(3^{65} \times 6^{59} \times 7^{71})$?

- a) 1 b) 2 c) 4 ✓ d) 6

19) The unit digit in the product $(784 \times 618 \times 917 \times 463)$ is:

- a) 2 ✓ b) 3 c) 4 d) 5

20) What is the unit digit in 7^{105} ?

- a) 1 b) 5 c) 7 ✓ d) 9

21) The unit digit of $(7^{95} - 3^{58})$ is

- a) 0 b) 6 c) 3 d) 4 ✓

22) The unit digit of 287^{562581} is

- a) 7 ✓ b) 9 c) 3 d) 1

23) The unit digit of $1^6 + 2^6 + 3^6 + \dots + 20^6$ is

- a) 0 ✓ b) 1 c) 2 d) 4

24) The unit digit of $634^{262} + 634^{263}$ is

- a) 0 ✓ b) 1 c) 2 d) 3

25) The unit digit of $6324^{1797} \times 615^{316} \times 341^{476}$ is

- a) 1 b) 5 c) 7 d) 0 ✓

26) The unit digit of $7^{295} \times 3^{158} \times 341^{476}$ is

- a) 2 b) 7 ✓ c) 6 d) 4

27) If 'a' is a positive integer and if the unit digit of a^2 is 9 and the unit digit of $(a + 1)^2$ is 4, what is the unit digit of $(a + 2)^2$?

- a) 1 ✓ b) 3 c) 6 d) 5

28) If 'x' is a positive integer, what is the unit digit of $(24)^{2x+1} \times (33)^{x+1} \times (17)^{x+2} \times (9)^{2x}$?

- a) 4 b) 6 c) 7 d) 8 ✓

29) X and y are integers. If the unit's digit of x^2 is 9 and the unit's digit of y^2 is 9 as well, which of the following CANNOT be $(x - y)$?

- a) 4 b) 6 c) 10 d) 18 ✓

30) What is the unit digit of $1! + 2! + 3! + \dots + 99! + 100!$?

- a) 3 ✓ b) 1 c) 5 d) 6

31) What is the Unit digit of $1! + 2! + 3! + \dots + 99! + 100! + 127^{124} + 515^{515}$

- a) 3 b) 9 ✓ c) 5 d) None of these





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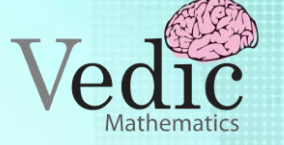
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32) What will be the unit digit of $(43)^{34!}$

- a) 3 b) 9 c) 7 d) 1✓

33) The Unit digit of $(137^{13})^{47}$ is:

- a) 1 b) 3✓ c) 5 d) None of these

34) The unit digit in the sum of $(124)^{372} + (124)^{373}$ is

- a) 0✓ b) 1 c) 2 d) 3

35) The Unit digit of $44^{91} * 73^{37}$ is

- a) 2✓ b) 4 c) 6 d) 8

36) The unit digit of $35^{87} + 93^{46}$ is

- a) 2 b) 4✓ c) 0 d) None of these

37) The unit digit of $(443^{91}) - (7345^{37}) + (1123^{1123})$

- 2 b) 9✓ c) 6

