Department of Computer Science & Engineering

COMITY EVENT – 3

MATHEMATICAL PUZZLES

No of Questions 30*1

Question type: MCQ

1. Which number is equal to $3^{(-1)}/3^{(-3)}$
    a. 9
2. Series: 26 , 20 , 19 , 13 , _ , 6. What is the number?
    a. 12
3. Series: 32 , 43 , 43 , 54 , 54 , 54 , _ . What is the number?
    a. 65
4. How many seconds are there in 23 minutes?
    a. 1380
5. Series: 32 , 28 , 20 , 4 , _ . What is the number?
    a. -16
6. Series: 1 , 27 , _ , 343. What's the missing number in the series?
    a. 125
7. How many days are there in 11 continuous years?
    a. 4017
8. Series: 2 , 9 , 29 , 299 , _. What's the missing number in the series?
    a. 8999
9. What is the fraction of hour in 55 minutes?
    a. 11/12
10. What is the 23rd prime number?
    a. 83
11. What is the only two digit number that it's second digit is cubes the first digit and is also a prime?
    a. 11
12. What is seven-elevens in percentage? Note: round up to 2 fractions
    a. 63.63
13. I am an odd number. By taking away one letter and I become even. What number am I?
    a. 7
14. The set square is shaped in?
    a. Triangle
15. Find the median: 9 , 18 , 20 , 17 , 11 ,14 ,10
    a. 14

16. What is the missing number?

15	7	16
8	3	??
7	3	8

    a. 10
    b. 9
    c. 8
    d. None

17. Find the missing number?

	4				5				3	
7	2	6		6	?	9		4	2	8

    a. 2
    b. **4**
    c. 5
    d. 3

18. What's the missing number

1	1	2	4
3	1	1	6
2	3	4	48
4	5	1	??

    a. 20
    b. 40
    c. 46
    d. None


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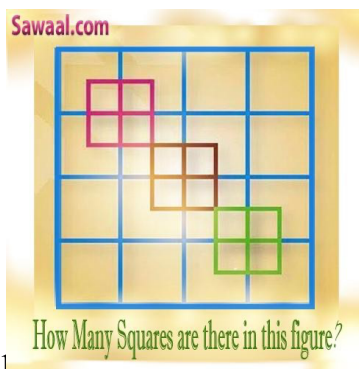
How Many Squares are there in this figure?

19.1
  9 a. 44
  . **b. 45**
    c. 46
    d. 50

20. A number of cats got together and decided to kill between them 999919 rats. Every cat killed an equal number of rats. Each cat killed more rats than there were cats. How many rats do you think that each cat killed ?
    a. **1009**
    b. 991
    c. 2000
    d. 1000

21. In a Certain Country 1/2 of 5 = 3. If the same proportion holds, what is the value of 1/3 of 10 ?
    a. 6
    b. 10
    c. 8
    d. **None**

22. Can you find a number, whose double exceeds its quarter by 7?
    a. 44
    b. 33
    c. 7
    d. **4**

23. Find the total weight?
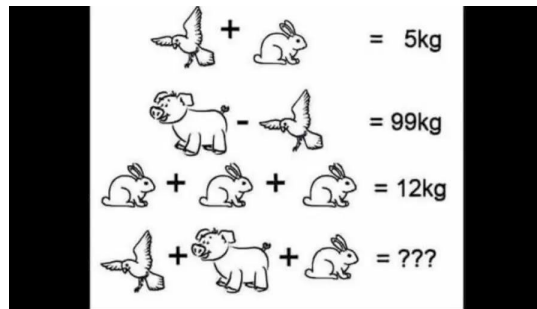
    a. 100 KG
    b. 4 KG
    c. 1 KG
    d. **105 KG**

24. Find the missing number?
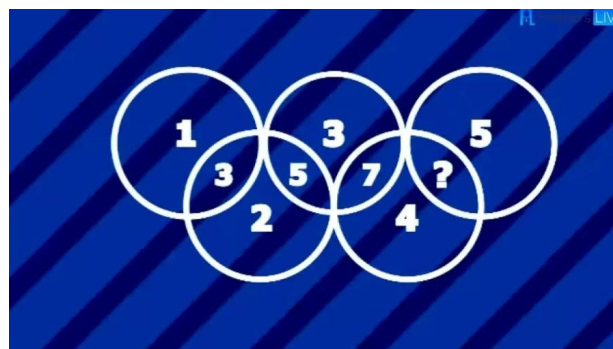
    a. 1
    b. 3
    c. 5
    d. 7
    e. **9**

25. Find the answer in terms of math?

$$M = 2$$
$$A = M + 1$$
$$T = 8$$
$$H = T - A$$
$$MATH = ?$$

   a. 2385
   b. **240**
   c. 18
   d. None

26. What is the average of first five multiples of 12?
   a. 42
   b. 38
   c. 40
   d. **None**

27. What least number must be added to 1056, so that the sum is completely divisible by 23 ?
   a. **2**
   b. 3
   c. 18
   d. 21

28. Find the odd man out? 396, 462, 572, 427, 671, 264.
   a. 671
   b. 462
   c. **427**
   d. 264

29. What is the next number in the given Number Series? 5 , 24 , 94 , 279 , _ .
   a. 587
   b. **554**
   c. 489
   d. 499

30. Find out the wrong number in the given sequence of numbers. 56 , 72 , 90 , 110 , 132 , 150 .
   a. 72
   b. 110
   c. 132
   d. **150**

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