REASONING

Series Worksheet

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2024 for admission to BCA, BBA, BMS, BBM

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1. 13 17 19 23 29 31 37 ___
   A. 22
   B. 41
   C. 19
   D. 23

2. SCD, TEF, UGH, ___, WKL
   A. CMN
   B. UJI
   C. VIJ
   D. IJT

3. JAK, KBL, LCM, MDN, ___
   A. OEP
   B. NEO
   C. MEN
   D. PFQ

4. QAR, RAS, SAT, TAU, ___
   A. UAV
   B. UAT
   C. TAS
   D. TAT

5. What are the next numbers in order?
3 5 35 10 12 35 17 __ , __
   A. 22, 35
   B. 35, 19
   C. 19, 35
   D. 19, 24

6. ELFA, GLHA, ILJA, ___, MLNA
   A. OLPA
   B. LLMA
   C. KLMA
   D. KLLA

7. Look at this series: 8, 43, 11, 41, _ , 39, 17
What number should fill in the blank?
   A. 8
   B. 43
   C. 14
   D. 44

8. FAG, GAF, HAI, IAH, _____
   A. JAK
   B. HAL
   C. HAK
   D. JAI

9. SCD, TEF, UGH,_____WKL
   A. CMN
   B. UJI
   C. VIJ
   D. IJT

10. Look at this series: 53, 53, 40, 40, 27, 27, ...
What number should come next?
   A. 12
   B. 14
   C. 27
   D. 53

11. Look at this series: 3, 4, 7, 8, 11, 12, ... What number should come next?
   A. 7
   B. 10
   C. 14
   D. 15

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12. Look at this series: 8, 22, 8, 28, 8, ... What
number should come next?
   A. 9
   B. 29
   C. 32
   D. 34

13. Find the wrong number in the given series?
3 6 11 18 29 38 51 66
   A. 18
   B. 29
   C. 38
   D. 51

14. Look at this series: 201, 202, 204, 207, . . .
What number should come next?
   A. 205
   B. 208
   C. 210
   D. 211

15. Look at this series: 22, 21, 23, 22, 24, 23,...
What number should come next?
   A. 22
   B. 24
   C. 25
   D. 26

Answer Key

1. B	2. C	3. B	4. A	5. A	6. D	7. C	8. A	9. C	10. B
11. D	12. D	13. B	14. D	15. C					

HINTS & SOLUTIONS

1. The given series is a prime number series. Hence the next prime number in this sequence would be 41

2. There are two alphabetical series here. The first series is with the first letters only: STUVW. The second series involves the remaining letters: CD, EF, GH, IJ, KL.

3. This is an alternating series in alphabetical order. The middle letters follow the order ABCDE. The first and third letters are alphabetical beginning with J. The third letter is repeated as a first letter in each subsequent three-letter segment.

4. In this series, the third letter is repeated as the first letter of the next segment. The middle letter, A, remains static. The third letters are in alphabetical order, beginning with R

5. 3rd number, then 6th number and then 9th number is same. Other numbers follow the pattern of +2 like 3+2=5, 10+2=12. So, at the end, 17+2=19 and last number is 35

6. The second and forth letters in the series, L and A, are static. The first and third letters consist of an alphabetical order beginning with the letter E.

7. This is a simple alternating addition and subtraction series. The first series begins with 8 and adds 3; the second begins with 43 and subtracts 2.

8. The middle letters are static, so concentrate on the first and third letters. The series involves an alphabetical order with a reversal of the letters. The first letters are in alphabetical order: F, G, H, I, J. The second and fourth segments are reversals of the first and third segments. The missing segment begins with a new letter.

9. There are two alphabetical series here. The first series is with the first letters only: STUVW. The second series involves the remaining letters: CD, EF, GH, IJ, KL.

10. In this series, each number is repeated, then 13 is subtracted to arrive at the next number.
Rule = (1st number) (1st number) (1st number - 13 = 2nd number) (2nd number repeat) (2nd - 13 = 3rd number) (3rd number repeat)....
The series is 53, 53, 40, 40, 27, 27...
(53),(53 - 13 = 40), (40), (40 - 13 = 27) (27), (27 - 13 = 14), (14)...

11. This alternating addition series begins with 3; then 1 is added to give 4; then 3 is added to give 7; then 1 is added, and so on.

12. This is a simple addition series with a random number, 8, interpolated as every other number. In the series, 6 is added to each number except 8, to arrive at the next number.

13. Difference in odd number is followed.