Deduce

Alphanumeric series questions with answers

15 exam-shaped questions with full worked solutions.
For IBPS · SBI · RRB · SSC reasoning.

Free, share it forward. Every question in this set was generated and verified by the Deduce engine — the same one behind the free daily puzzle round at **deducepuzzles.com**.

The questions

Work them on paper first. Full solutions start after question 15 — the numbering matches.

QUESTION 1

How many letters are there in the series?

$ % J B @ V E 8 & 4 A D 5 1

A. 8
B. 7
C. 6
D. 5
E. 4

QUESTION 2

In the English alphabet (written A to Z), which letter is 4th to the right of the 20th letter from the left end?

A. X
B. K
C. P
D. W
E. Y

QUESTION 3

Which element is 4th to the left of the 5th element from the right end of the series?

4 6 Z # U V A @ 7 L D C 1 M %

A. A
B. 7
C. @
D. U
E. V

QUESTION 4

How many pairs of letters in the word "NIGHTMARE" have as many letters between them in the word as in the English alphabet?

Count each pair only once; the alphabet gap may run in either direction (forward or backward).

A. None
B. Three
C. One
D. Five
E. Two

QUESTION 5

Which element is 2nd to the right of the 8th element from the left end of the series?

@ * 7 C L & 6 X Y W N 5 3 J 4 M

A. W
B. N
C. Y
D. 5
E. X

QUESTION 6

If the letters of the word "EDUCATION" are arranged in alphabetical order (left to right), how many letters remain in the same position as in the original word?

A. Three
B. Two
C. None
D. Four
E. One

QUESTION 7

How many symbols are there in the series?

Z 3 9 F * 7 C B N @ 2 % U E M &

A. 4
B. 8
C. 7
D. 6
E. 5

QUESTION 8

How many pairs of letters in the word "NETWORK" have as many letters between them in the word as in the English alphabet?

Count each pair only once; the alphabet gap may run in either direction (forward or backward).

A. Four
B. Three
C. One
D. Two
E. None

QUESTION 9

Which element is 2nd to the left of the 6th element from the right end of the series?

% 4 S # D 8 & $ M G V A 6 Y 7 N

A. M
B. G
C. $
D. V
E. &

QUESTION 10

How many pairs of letters in the word "DAUGHTER" have as many letters between them in the word as in the English alphabet?

Count each pair only once; the alphabet gap may run in either direction (forward or backward).

A. Two
B. Five
C. Four
D. One
E. Six

QUESTION 11

Which element in the series is immediately preceded by a letter and immediately followed by a digit?

Y N Q Z @ 8 & 2 B 9 % 6 # D 7

A. &
B. Q
C. @
D. 8
E. Z

QUESTION 12

If the letters of the word "QUESTION" are arranged in alphabetical order (left to right), how many letters remain in the same position as in the original word?

A. None
B. Three
C. Two
D. Four
E. One

QUESTION 13

How many digits are there in the series?

C # W 4 * 2 G F N E 9 1 $ J @

A. 5
B. 8
C. 7
D. 4
E. 6

QUESTION 14

How many pairs of letters in the word "SECOND" have as many letters between them in the word as in the English alphabet?

Count each pair only once; the alphabet gap may run in either direction (forward or backward).

A. Four
B. Three
C. One
D. Six
E. Five

QUESTION 15

Which element in the series is immediately preceded by a letter and immediately followed by a symbol?

Y F C # L 2 4 @ T % B 3 E 5 9

A. #

B. Y

C. L

D. F

E. C

Answers and worked solutions

Each walkthrough is the engine's own elimination order, step for step — not a reconstruction written after the fact.

SOLUTION 1

Answer: **6**

1. Scanning left to right, the letters in the series are: J, B, V, E, A, D — 6 in all.
2. So the answer is 6.

SOLUTION 2

Answer: **X**

1. The 20th letter from the left end is position 20 in the written sequence: T.
2. 4th to the right of T is position 24.
3. So the required letter is X.

SOLUTION 3

Answer: **A**

1. The 5th element from the right end is D (position 11 from the left).
2. Counting 4 to the left lands on position 7 from the left: A.
3. So the required element is A.

SOLUTION 4

Answer: **Two**

1. Write alphabet positions under the letters: N(14) I(9) G(7) H(8) T(20) M(13) A(1) R(18) E(5).
2. I–M: 4 apart in the word (positions 2 and 6) and 4 apart in the alphabet (I=9, M=13).
3. G–H: 1 apart in the word (positions 3 and 4) and 1 apart in the alphabet (G=7, H=8).
4. So the answer is Two — 2 such pairs: IM, GH.

SOLUTION 5

Answer: **W**

1. The 8th element from the left end is X (position 8 from the left).
2. Counting 2 further to the right lands on position 10 from the left: W.
3. So the required element is W.

SOLUTION 6

Answer: **None**

1. In alphabetical order, EDUCATION becomes ACDEINOTU.
2. Comparing position by position, every letter has moved to a different position.
3. So the answer is None.

SOLUTION 7

Answer: **4**

1. Scanning left to right, the symbols in the series are: *, @, %, & — 4 in all.
2. So the answer is 4.

SOLUTION 8

Answer: **None**

1. Write alphabet positions under the letters: N(14) E(5) T(20) W(23) O(15) R(18) K(11).
2. No pair of letters is as far apart in the word as in the alphabet.
3. So the answer is None.

SOLUTION 9

Answer: **M**

1. The 6th element from the right end is V (position 11 from the left).
2. Counting 2 to the left lands on position 9 from the left: M.
3. So the required element is M.

SOLUTION 10

Answer: **Four**

1. Write alphabet positions under the letters: D(4) A(1) U(21) G(7) H(8) T(20) E(5) R(18).
2. D–G: 3 apart in the word (positions 1 and 4) and 3 apart in the alphabet (D=4, G=7).
3. D–H: 4 apart in the word (positions 1 and 5) and 4 apart in the alphabet (D=4, H=8).
4. G–H: 1 apart in the word (positions 4 and 5) and 1 apart in the alphabet (G=7, H=8).
5. T–R: 2 apart in the word (positions 6 and 8) and 2 apart in the alphabet (T=20, R=18).
6. So the answer is Four — 4 such pairs: DG, DH, GH, TR.

SOLUTION 11

Answer: **@**

1. Rule: an element qualifies when the one immediately BEFORE it is a letter AND the one immediately AFTER it is a digit. (The first and last elements have only one neighbour, so a missing side never qualifies.)
2. Scanning left to right, exactly one spot fits: "Z @ 8" — position 5 from the left.
3. So the required element is @.

SOLUTION 12

Answer: **None**

1. In alphabetical order, QUESTION becomes EINOQSTU.
2. Comparing position by position, every letter has moved to a different position.
3. So the answer is None.

SOLUTION 13

Answer: **4**

1. Scanning left to right, the digits in the series are: 4, 2, 9, 1 — 4 in all.
2. So the answer is 4.

SOLUTION 14

Answer: **One**

1. Write alphabet positions under the letters: S(19) E(5) C(3) O(15) N(14) D(4).
2. O–N: 1 apart in the word (positions 4 and 5) and 1 apart in the alphabet (O=15, N=14).
3. So the answer is One — 1 such pair: ON.

SOLUTION 15

Answer: **C**

1. Rule: an element qualifies when the one immediately BEFORE it is a letter AND the one immediately AFTER it is a symbol. (The first and last elements have only one neighbour, so a missing side never qualifies.)
2. Scanning left to right, exactly one spot fits: "F C #" — position 3 from the left.
3. So the required element is C.

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