

CHAPTER-6 | ALGEBRA PLAY

QUIZ
PART-02

1. In the date trick, the first operation performed on the month is:
- A. Add 5
B. Multiply by 5
C. Multiply by 4
D. Add 6 (B)

Explanation: The trick begins by multiplying the month number by 5.

2. After multiplying the month by 5, what is added next?
- A. 4
B. 5
C. 6
D. 9 (C)

Explanation: The second step is to add 6.

3. In the example date 26/01, what value is obtained after adding 6?
- A. 10
B. 11
C. 12
D. 15 (B)

Explanation: January = 1, so $1 \times 5 = 5$ and $5 + 6 = 11$.

4. After adding 6, the result is multiplied by:
- A. 2
B. 3
C. 4
D. 5 (C)

Explanation: The next step in the trick is multiplying by 4.

5. What number is added after multiplying by 4?
- A. 1
B. 2
C. 4
D. 6 (D)

Explanation: After multiplication by 4, 9 is added.

6. After adding 9, the result is multiplied by:
- A. 2
B. 3
C. 4
D. 5 (D)

Explanation: The next operation in the trick is multiplication by 5.

7. In the example 26/01, what value is obtained before adding the day?
- A. 265
B. 291
C. 244
D. 177 (A)

Explanation: $53 \times 5 = 265$ before adding the day number.

8. What is added in the final step of the date trick?
- A. Month
B. Year
C. Day
D. Week (C)

Explanation: The day number is added at the end.

9. The final answer obtained for the date 26/01 is:
- A. 265
B. 271
C. 291
D. 301 (C)

Explanation: $265 + 26 = 291$.

10. If the date trick gives the answer 1694, which date does it represent?
- A. 8th January
B. 15th August
C. 29th May
D. 18th May (B)

Explanation: $1694 - 165 = 1529$, which represents Month = 15? No. Split as 8|15 $\rightarrow$ August (8) and Day (15). Therefore the date is 15th August.