

Q1. Find the remainder of $\frac{1! + 2! + 3! + 4! + 5! + \dots + 1000!}{6}$?

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

Q2. What will be the remainder when $(16^{27} + 37)$ is divided by 17?

- (a) 5
- (b) 2
- (c) 4
- (d) 3

Q3. What is the remainder of $1421 * 1423 * 1425$ when divided by 12 ?

- (a) 5
- (b) 2
- (c) 4
- (d) 3

Q4. Find the remainder of $\frac{(53)^{145}}{9}$?

- (a) 10
- (b) 11
- (c) 12
- (d) 8

Q5. Find the remainder of $\frac{2^{63}}{9}$?

- (a) 10
- (b) 8
- (c) 12
- (d) 0

Q6.

What is the remainder of $\frac{13^{74} + 14^3}{11}$

- (a) 5
- (b) 10
- (c) 4
- (d) 8

Q7. Find the remainder when $73 + 75 + 78 + 57 + 197$ is divided by 34

- (a) 5

- (b) 1
- (c) 4
- (d) 6

Q.8 Find the remainder when $73 * 75 * 78 * 57 * 197$ is divided by 34.

- (a) 15
- (b) 30
- (c) 22
- (d) 16

Q9. Find the remainder of $\frac{4^{48}}{33}$?

- (a) 30
- (b) 31
- (c) 29
- (d) 28

Q10. Find the remainder of $\frac{(96)^{115} + 12}{97}$?

- (a) 21
- (b) 31
- (c) 11
- (d) 41

Q11. On dividing a number by 56, we get 29 as remainder. On dividing the same number by 8, what will be the remainder ?

- (a) 5
- (b) 1
- (c) 4
- (d) 6

Q12. Find the remainder $\frac{2^{99}}{10}$?

- (a) 4
- (b) 6
- (c) 8
- (d) 9

Q13. Find the number of zeros in $16!$

- (a) 3
- (b) 1
- (c) 4
- (d) 6

Q14. Find the remainder if we divide $(1425 + 2)$ by 13 .

- A) 1
- B) 3
- C) 0
- D) 12

Q15. Find the remainder of $\frac{1753 \times 1749 \times 83 \times 171}{17}$?

- (a) 8
- (b) 9
- (c) 11
- (d) 12