

## Problems on Numbers Aptitude Questions and Answers Pdf

### Question: 1

In a division sum, quotient is 403, divisor is 100 and remainder is 58. Then dividend will be

(A) 40318

(B) 40358

(C) 41318

(D) 49158

Ans: B

Divided = ( Divisor  $\times$  Quotient ) + Remainder

= (403  $\times$  100) + 58

= 40358.

### Question: 2

The largest natural number by which the product of three consecutive even natural numbers is always divisible is

(A) 16

(B) 24

(C) 48

(D) 96

Ans: C

Required number =  $2 \times 4 \times 6 = 48$ .

### Question: 3

The largest natural number which exactly divides the product of any four consecutive natural numbers is

(A) 6

(B) 12

(C) 24

(D) 120

Ans: C

Required number =  $1 \times 2 \times 3 \times 4 = 24$ .

Question: 4

The smallest prime number greater than 1000 is

(A) 1001

(B) 1003

(C) 1009

(D) 1007

Ans: C

$1001 = 13 \times 77$ ,

$1003 = 17 \times 59$ ,

$1007 = 19 \times 53$

Therefore 1009 is a prime number.

Question: 5

Which of the following numbers is divisible by 25?

(A) 124505

(B) 437950

(C) 505520

(D) 500555

Ans: B

437950 is the only number among the given numbers such that

$437950 = 5 \times 5 \times 17518$  which has 25 as a factor.

Question: 6

Which one of the following is a prime number?

(A) 143

(B) 221

(C) 343

(D) 823

Ans: C

343 is divisible by 7.

143 is divisible by 11 and 221 is divisible by 13.

Question: 7

A four digit number is divisible by 7 becomes divisible by 3, when 10 is added to it. The largest such number is

(A) 9947

(B) 9987

(C) 9989

(D) 9996

Ans: C

Largest number of four digits is 9999. On dividing 9999 by 7, the remainder comes out to be 3.

Therefore, the largest number of four digits divisible by 7 is 9996. Let  $9996 - x + 10$  be divisible by 3.

We find that  $x = 7$ .

Therefore required number  $(9996-7) = 9989$ .

Question: 8

The largest natural number which exactly divides the product of any four consecutive natural numbers is

(A) 6

(B) 12

(C) 24

(D) 120

Ans: C

Required number =  $1 \times 2 \times 3 \times 4 = 24$ .

Question: 9

The unit's digit in the product  $274 \times 318 \times 577 \times 313$  is

- (A) 2
- (B) 3
- (C) 4
- (D) 5

Ans: A

Required digit = Unit digit in  $(4 \times 8 \times 7 \times 3) = 2$ .

Question: 10

The difference between the local value and face value of 7 in the numeral 657903 is

- (A) 901
- (B) 903
- (C) 6993
- (D) 7896

Ans: C

$(\text{Local Value}) - (\text{Face Value}) = (7000 - 7) = 6993$ .