

Simplification Questions for Bank Exams with Solutions Pdf

1. The number of students in each section of school is 24. After admitting new students, three new sections were started. Now, the total number of sections is 16 and there are 21 students in each section. The number of new students admitted is

(A) 10

(B) 14

(C) 24

(D) 48

Ans: C

Original number of series = $(16 - 3) = 13$

Original number of students = $(24 \times 13) = 312$

Present number of students = $(21 \times 16) = 336$

Number of new students admitted = $(336 - 312) = 24$.

2. The total number of digits used in numbering the pages of a book having 366 pages, is

(A) 1305

(B) 1098

(C) 990

(D) 732

Ans: C

Total number of digits = (No. of. digits in 1-digit page nos. + No.of.digits in 2-digit pages nos. + No.of.digits in 3-digit page nos.)

$$= (1 \times 9 + 2 \times 90 + 3 \times 267)$$

$$= (9 + 180 + 801) = 990.$$

3. A man has Rs.480 in the denominations of one rupee notes, five rupee notes and ten rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has?

(A) 35

(B) 45

(C) 90

(D) 95

Ans: C

Let number of notes of each denomination be x.

$$\text{Then, } x + 5x + 10x = 480$$

$$16x = 480$$

$$x = 30.$$

Hence, total number of notes = $3x = 90$.

4. $(3080 + 6160) \div 28 = ?$

- (A) 320
- (B) 330
- (C) 3320
- (D) 3350

Ans: B

Given expression = $9240/28$

= 330.

5. A boy multiplied 423 by a number and obtained 65589 as his answer. If both the fives in the answer are wrong and all the other figures are correct, the correct answer is

- (A) 62389
- (B) 62189
- (C) 61189
- (D) 60489

Ans: D

Among the given numbers, only 60489 is a multiple of 423.