

Pipes And Cistern Questions Overview

Pipes And Cistern Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Pipes And Cistern Questions.

Question

In year 2016, ratio of boys to girls in a school is 36:19. And in year 2017, number of boys is increased by 1440 and number of girls is increased by 15%. If in 2017, there were total increase in the number of students is 1725 then find the increased number of boys in the school.

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. 7240
2. 5440
3. 6040
4. 4440
5. 5040

Solution

The correct answer is **option 5** i.e **5040**

Let the number of students in the exam be $55x$

Then number of boys = $36x$

Number of girls = $19x$

ATQ $55 + 1725 = (36 + 1440) + 19 \times 1.15$

= 100

Increased number of boys = $3600 + 1440 = 5040$