



Time And Work Questions Overview

Time And Work Questions have a good weightage in the Ssc Chsl Exam and the type of question asked in Ssc Chsl exam is similar to the question mentioned below. It has been solved and explained by KD Live Experts under the guidance of Neetu Mam and they have tried to elaborate the concept used in Time And Work Questions.

Question On Time And Work

Ramesh can finish the work in 24 days. He begins working at his usual pace but increases his efficiency such that his efficiency is 20%, 40%, and 60% more than the first day on the following days. His efficiency increases in the same pattern every day. In how many days will the work be completed?

Difficulty : Moderate

Average Time : 41 Seconds

Time And Work Questions Options

1. 12.125 days
2. 13.525 days
3. 11.625 days
4. 10.875 days

Time And Work Questions Solution

The correct answer is **Option 3** i.e. **11.625 days**.

Ramesh's one-day work = $1/24$

He increases his efficiency by 20% every day.

He will do 120%, 140%, 160%..... of work done on 1st day on subsequent days.

$$1/24 + 120\% \text{ of } 1/24 + 140\% \text{ of } 1/24 + \dots = 1$$

$$1/24 + 1.2/24 + 1.4/24 + \dots = 1$$

$$(1 + 1.2 + 1.4 + 1.6 + \dots) = 24$$

Work done in 11 days

$$1 + 1.2 + 1.4 + 1.6 + 1.8 + 2.0 + 2.2 + 2.4 + 2.6 + 2.8 + 3.0 = 22$$

$$\text{Time taken on 12 day} = (24 - 22)/3.2 = 2/3.2 = 0.625$$

$$\text{Total time} = 11.625 \text{ days}$$

Time And Work Questions Tips and Tricks



1. Try to solve Time And Work Questions without taking any help from the solutions.
2. Time And Work Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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Answer Key
Important Days



Further Guidance on Time And Work Questions

For Asking any query on Time And Work Questions please mail [Send Email](#) or you can fill the form at [KD Live](#).

About KD Live

KD live has an expertise in providing apt explanations for the Time And Work Questions since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Chsl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Time And Work Questions. She has guided her team to provide the best explanation for the question.