





# WBCHS 2022



**MATHS**

# MISCELLANEOUS



**LIVE** 11:30 AM  **7 JUNE 2022**

Container 'A' and 'B' contains 250 litres of milk and 360 litres of water respectively. 40% of the milk and 25% of water is mixed together in a separate container. Find the ratio of milk to water in the mixture thus formed.

- 4:3
- 12:5
- 11:6
- 10:9
- 7:5



Akash and Aryan can complete a work together in 18 days. To complete 80% of work alone, Ajay takes  $(4/3)^{\text{th}}$  time than time taken by Akash and Aryan together to complete the whole work. Find the time taken to complete the work if all three worked together.

- 12.75 days
- 11.25 days
- 10.15 days
- 9.25 days
- 8.75 days

A car is running with a certain speed. If the speed of the car had been 20% more, it takes 1 hour less to cover 450 km than with the previous speed. Find the lower speed of the car.

- 45 km/hr
- 80 km/hr
- 90 km/hr
- 75 km/hr
- 60 km/hr

In a business, Ganesh invested Rs. 2500 for 1 year and then invested Rs. 500 less than the initial investment for next 6 months. Sartaj invested Rs. 3000 for 1.5 years in same business. If the total profit received by both of them after 18 months is Rs. 8000, then find the profit share of Ganesh.

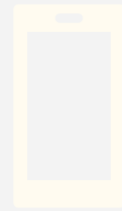
- Rs. 3500
- Rs. 6300
- Rs. 2800
- Rs. 1400
- Rs. 2100

Arvind invested a certain sum at 40% p.a. simple interest for 6 years and received Rs. 8400 as interest. Find the amount received when the same sum is invested at 20% p.a. compound interest, compounded annually for 2 years.

- Rs. 5040
- Rs. 6100
- Rs. 4520
- Rs. 5580
- Rs. 6050

An article is sold at 25% profit after giving a discount of Rs. 575. Find the amount by which the article is marked up above its cost price if the marked price of the article is Rs. 2600.

- Rs. 1020
- Rs. 840
- Rs. 760
- Rs. 980
- None of these





The present age of Nitin is 1.5 times that of Vineet. If the respective ratio of their ages 6 years ago was 5:3, then find the respective ratio of their ages 4 years hence.

- 10:7
- 9:5
- 11:8
- 4:1
- 6:5

