CETAILE ALL BRANCHES

GENERAL APTITUDE

Quantitative Aptitude

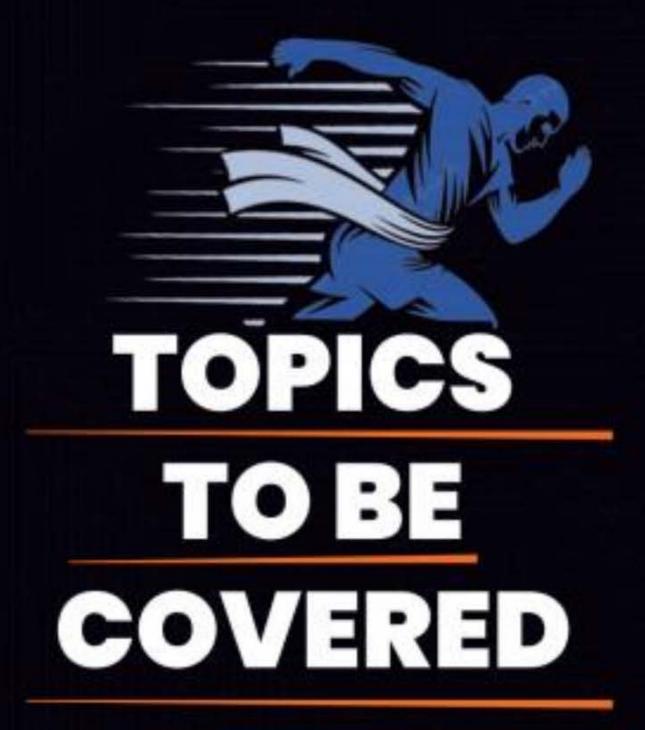




Lecture No: 01

By-Amulya Ratan Sir







Concept of Average



Difference between Average & Mean



Logical Approach to questions



Brainstorming on the Topic



Number



Numerical Abolity

Quant

Logic

Analytical

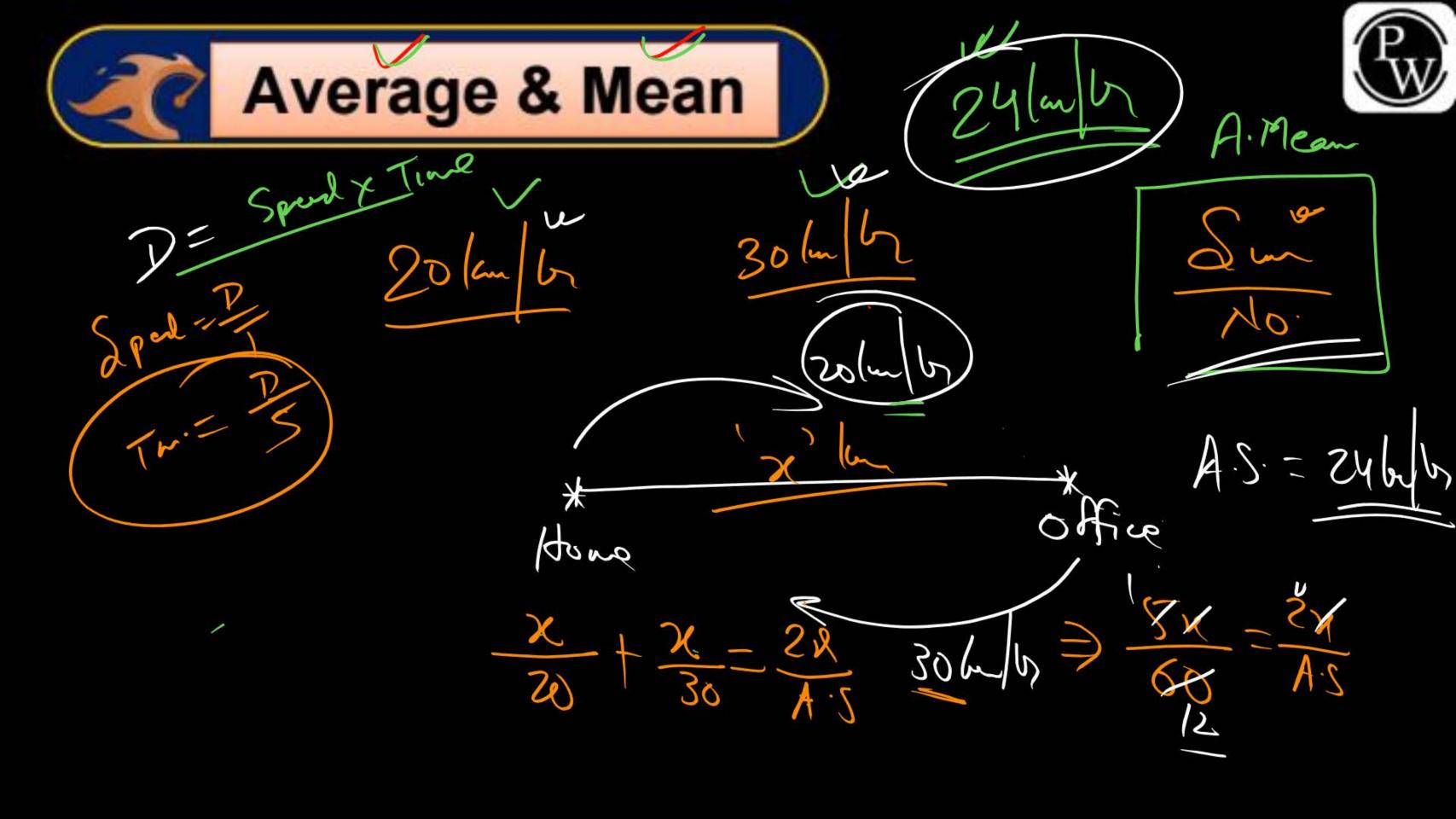
Spahal



371217



Equal Distaribution Normal Average (Mean) Foursiehre Average (Mode) 20 Middle Average (Medan)







Equal Distoububon

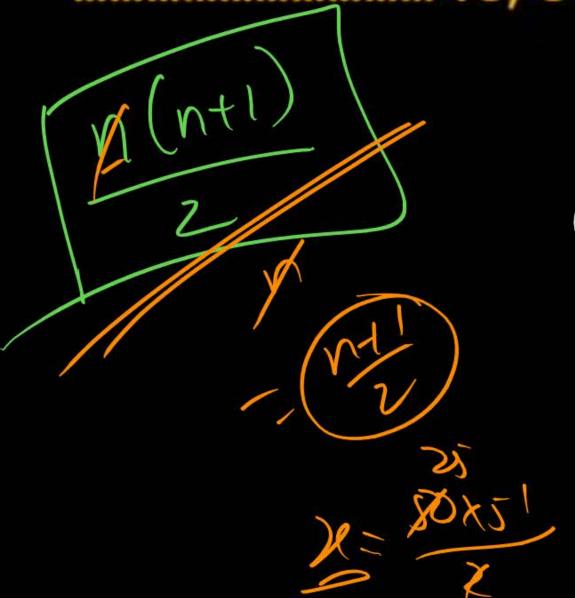
Average = Sun of obs.



1, 2, 3, 4, 5,

Q. What would be the average of:

......49, 50.

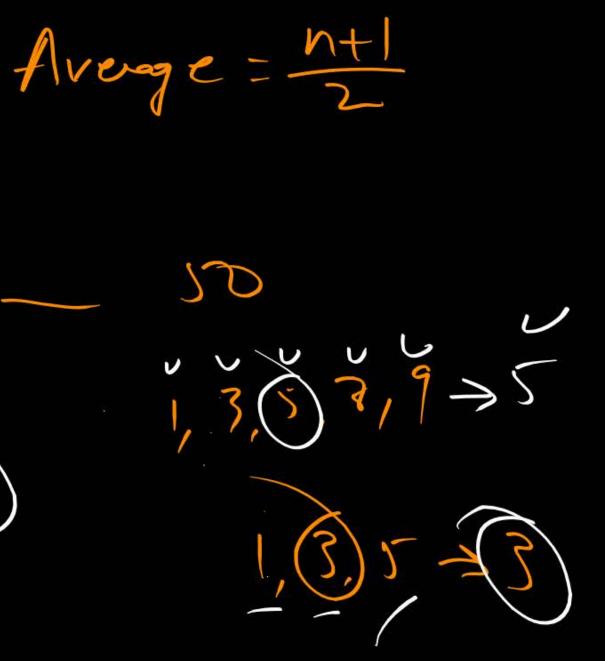




Madwal Mumber



DAD 2, 4,6,8,10 > 6 W 2, 4,6,8,10,12 > 7





Average of Even & Odd



$$A \times No. = Sun$$

$$(n+1) \times n = n(n+1)$$



Sum of Even & Odd



Storting



Q. What is the average of first five multiples of 12?

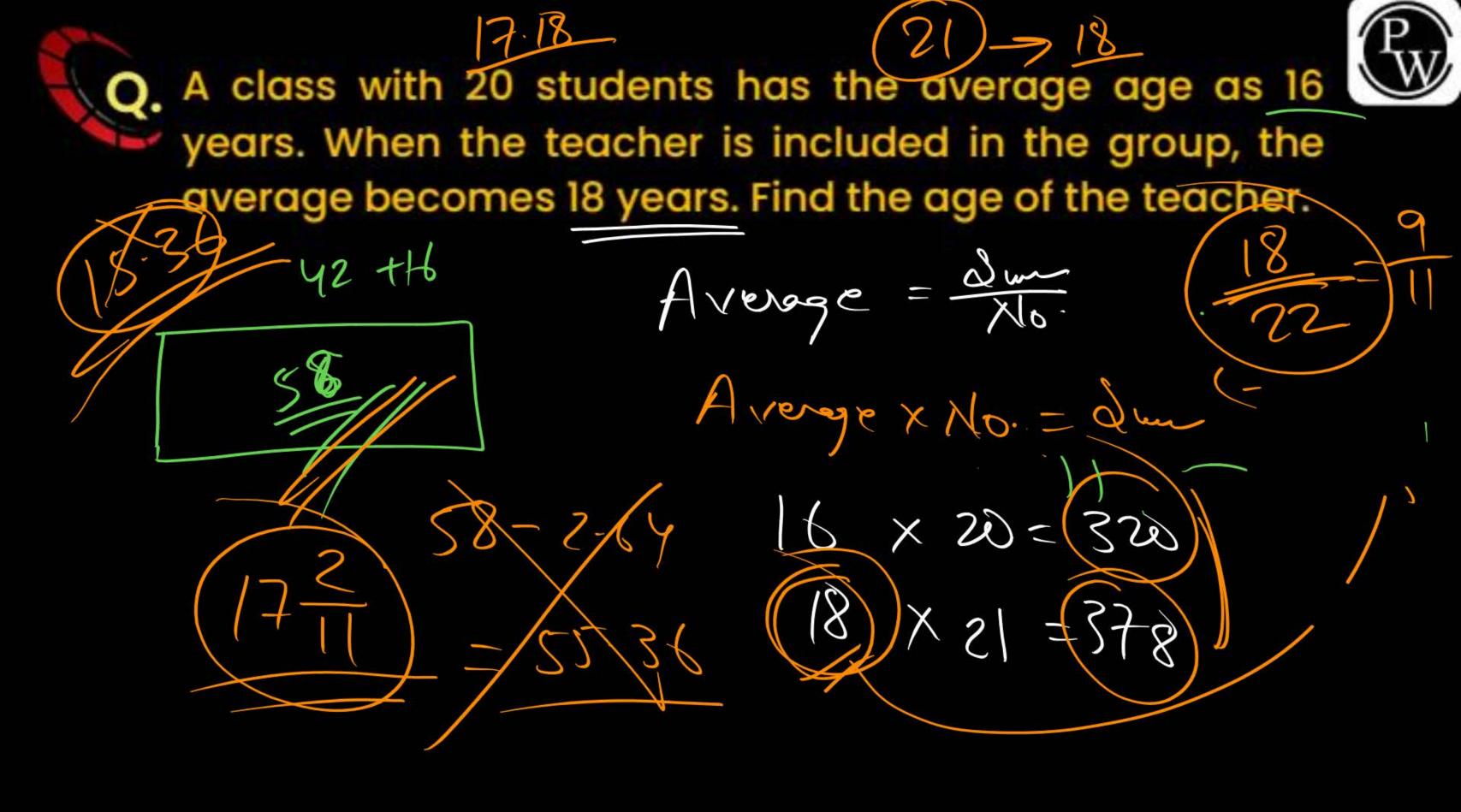


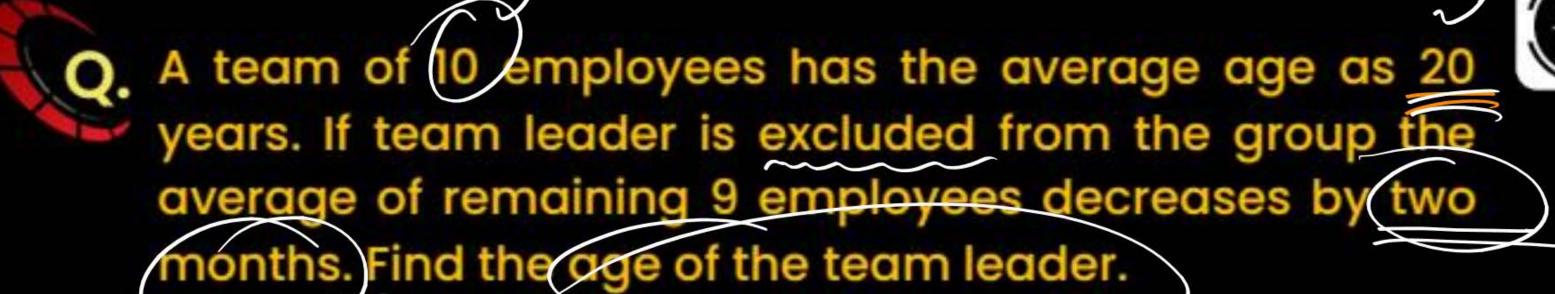












353 $20 \times 10 = 200$ $1910 \times 9 = 195$ $215 \times 9 = 195$ $215 \times 9 = 195$

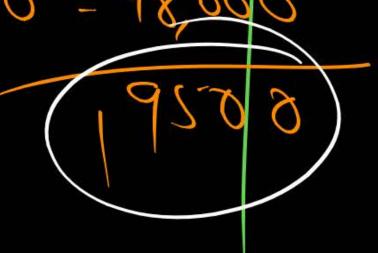
21. Syears 21 pro 6 mouts



In a school with 15 teachers, the average monthly salary is ₹4500. When three teachers left the school, the average monthly salary decreased by ₹500. Find the average monthly salary of three teachers who left the school.

the school.
No x A = Sum
15 * 4500 = 67500

12 × 4000 = 48000

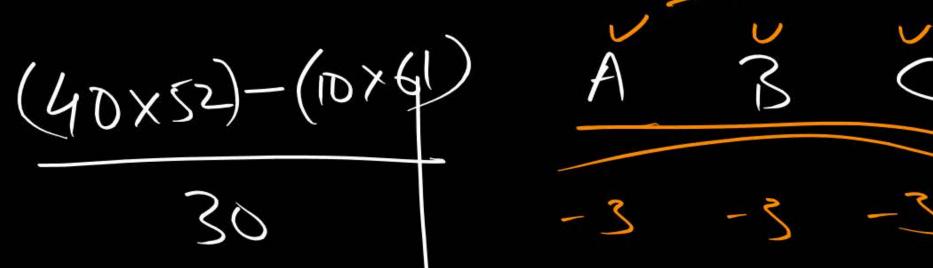






Q. The average score of a class of 40 students is 52 What will be the average score of the rest of the students if the average score of 10 of the students is 61.







Q. The average weight of a school of 40 teachers is 80 kg. If, however, the weight of the principle be included, the average decreases by 1 kg. What is the weight of the

principal?



49

 $79 = \frac{40 \times 80^{-1}}{41}$



109





80-4



Q. The average age of Abhijeet and Daya is 20 years. Their average age 5 years hence will be

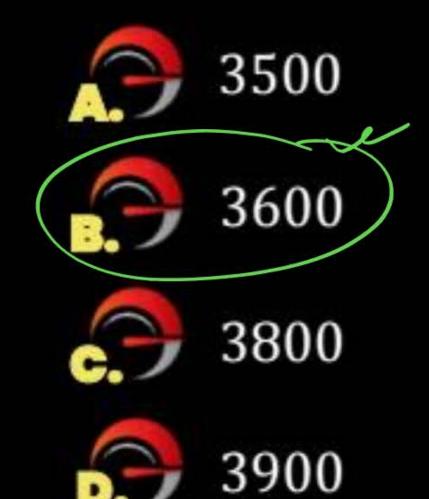


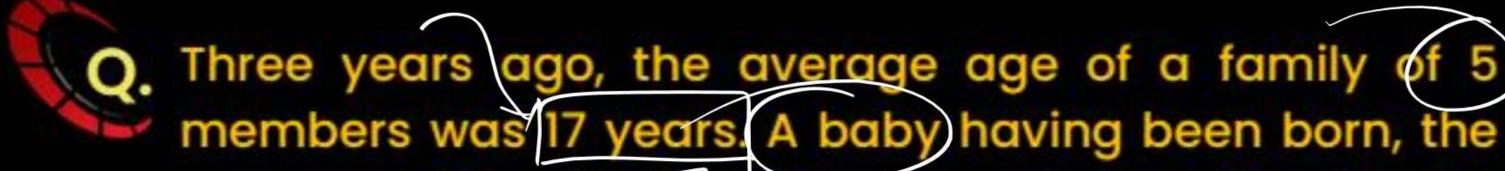




The average monthly salary of 20 employes is Rs. 1500.

If the manager's salary is added the average becomes Rs. 1600. The manager's salary is





average of the family is the same today. What is the

age of the baby?



1 year



2 year

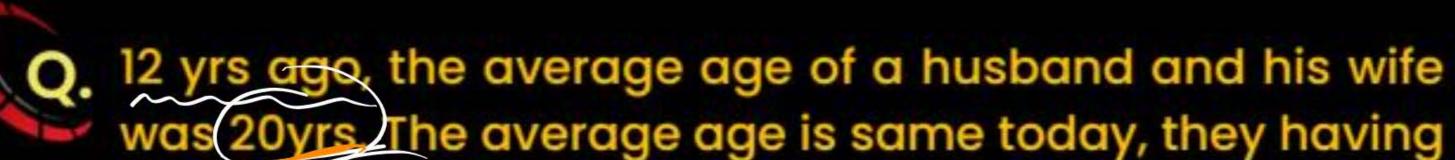


6 months



9 months



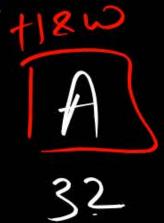


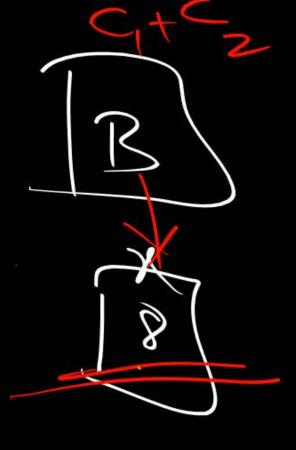
two children. What is the present age of the youngest

child if children differ in age by 2yrs?



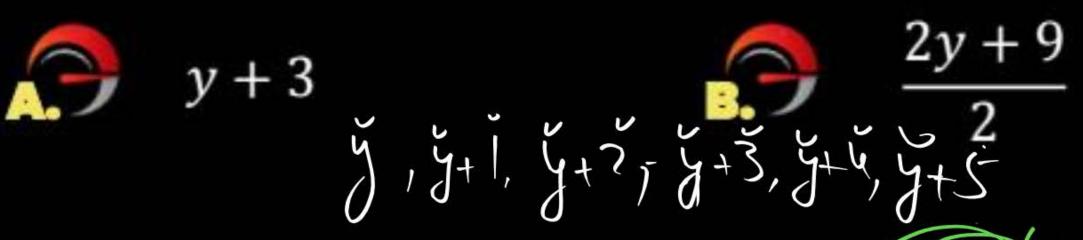


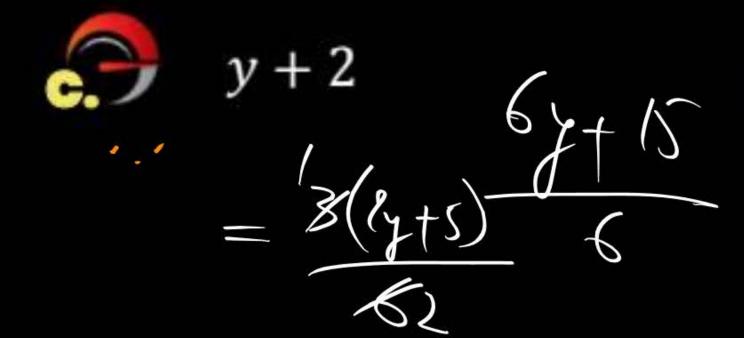


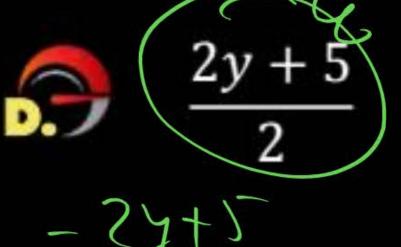


O. The average of 5 consecutive integers starting with x is y. What is the average of 6 consecutive numbers

starting with (x+2)?

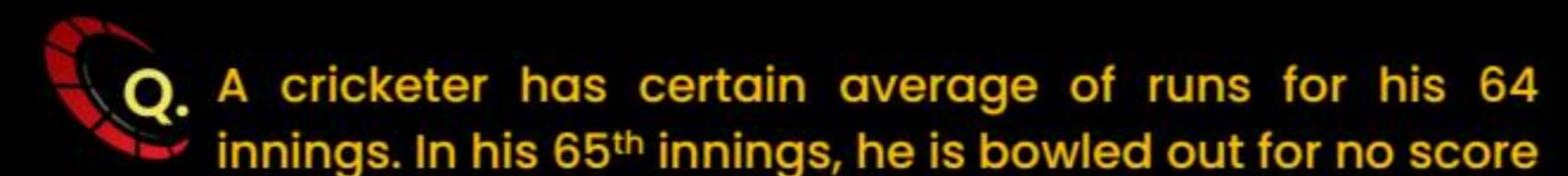






$$y = x + 2$$

$$x + 2$$



on his part. This brings down his average by 2 runs. His new average is?



130



128









In an organisation, in 2020, there were 30 employees with the average age of 40 years. In 2022, 4 employees retired at the age of 60. Two new employees were hired in 2023, whose total age was 74. What is the average age of company in 2023?



41 years



42 years



43 years



44 years





