Arllinetic

Speed time distance, profit hours, the work, SICE, rentary welltade.

Shilpa took a loan of Rs. 15,00,000 to purchase a car. The company charges compound interest at 20% per annum. She promised to make the payment after three years. But for the last year of loan tenure, the company increased the rate of interest by 25% from the previous one. Then the extra amount which she had to pay is what per cent of the amount of loan taken by her?

(A) 8.3%	15000pg x 6 x 5 x 1 20
B 7.9%	= 108000
C 8.7%	108999 ×197
7.2%	(>411,

total weset

= 1500000 × 1.2 × 1.25

Raterest due

=1500000 × 1.23

Extra werest

=1500000 [1.22x1.25 - 1.23]

= 1500000 × 1.2 × 0.05

There are three members in a family – husband, wife and their son. Husband's age is thrice his son's age and wife is three years younger than his husband. What is the respective ratio of ages of son, husband and wife if their average age is 41?

A 17:9:18

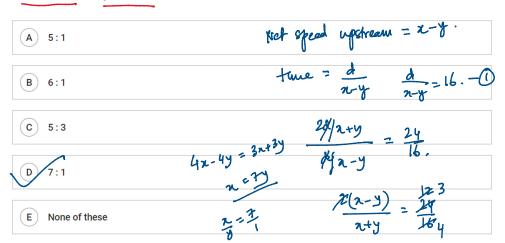
B 15:4:12

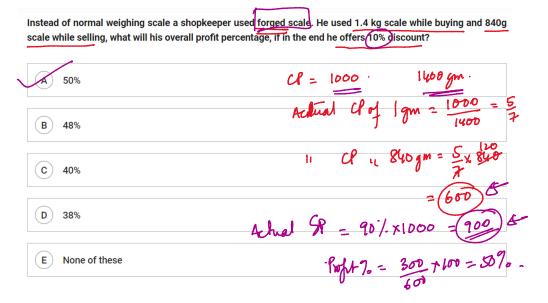
C 6:18:17

D 4:12:15

E None of these

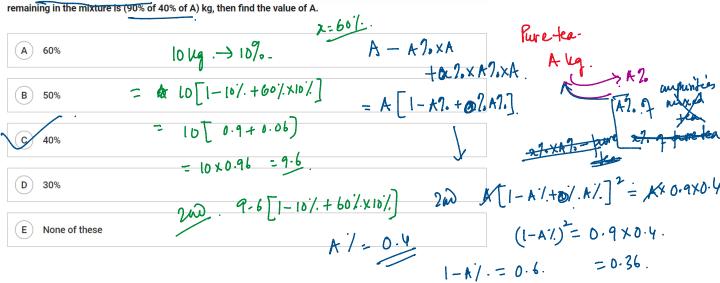
Son - x H - 3x W - 3x - 3Total age = $41 \times 3 = 123$ 7x - 3 = 123 7x - 3 = 123 7x - 126 x = 18 18:54:516:18:17 There are 3 points P, Q and R in a straight line, such that point Q is equidistant from points P and R. A man can swim from point P to R downstream in 24 hours and from Q to P upstream in 16 hours. Find the ratio of speed of man in still water to speed of stream?

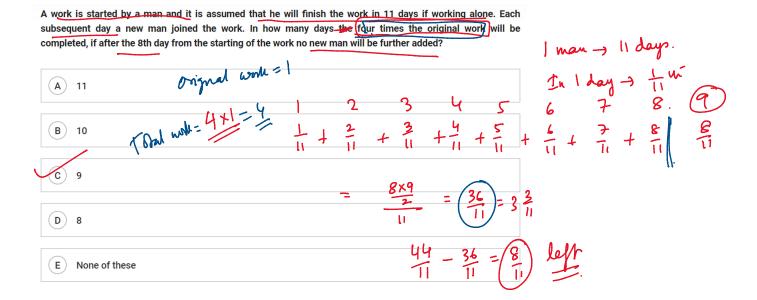


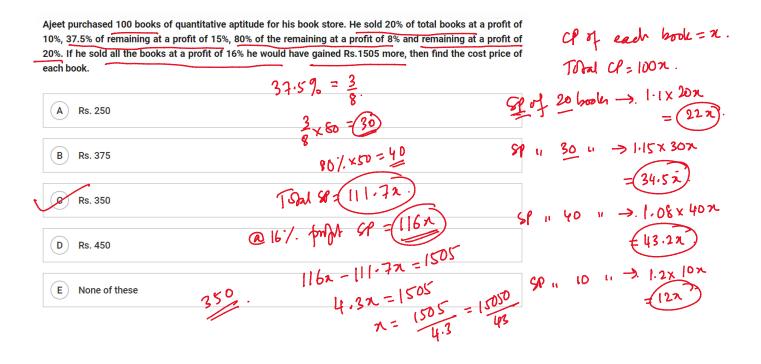


Buyng
1400 gm for the force of
840 gm for the force of
1000 gm.

From 'A' kg of pure tea a shopkeeper removes A% of the mixture (Either pure tea or adulterated tea) and replaces it with same quantity of adulteration. If he repeated this process once more and now the amount of pure tea remaining in the mixture is (90% of 40% of A) kg, then find the value of A.





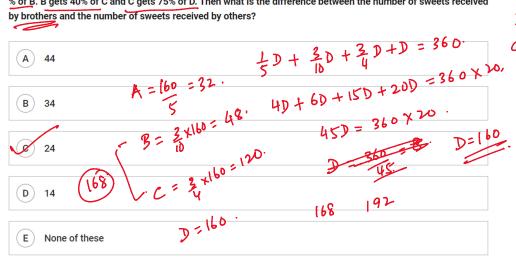


In an office some persons are officers and some are non-officer. The number of officers is 30. The average salary of officers is Rs.1040 and that of non-officers is Rs.400. If the average salary of entire staff in office (officers + Non - officers) is Rs.500 per month, then what is the average of total number of employees (officers + Non - officers) in the office?

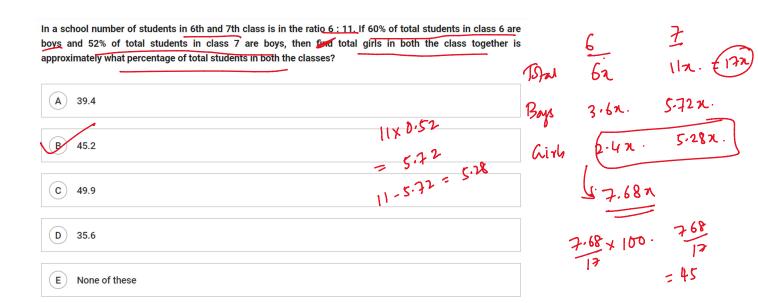
(A) 49	
B 89	162+30 = 96.
© 92	
0 96	
E None of these	

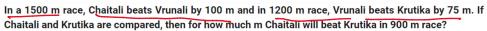
non officers = π . Horn sal of off = 1040×30 11 11 NO = 400π . 11 11 All = $500(50+\pi)$ $1040 \times 30 + 400 \pi = 500(30+\pi)$ $104 \times 3 + 4 \pi = 5(30+\pi)$ $312 + 4 \pi = 150 + 5 \pi$ x = 162

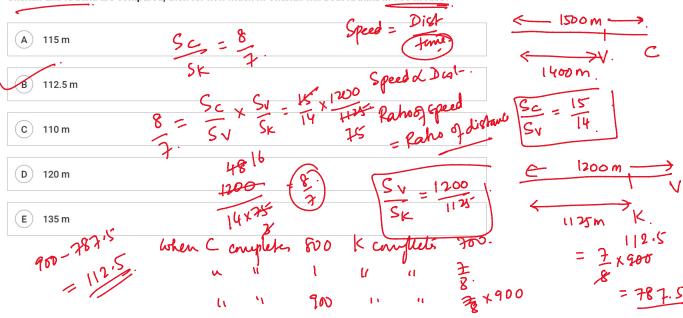
A, B, C, and D are four friends. In which B and C are brothers 360 weets are divided among them. A gets 200/3 % of B. B gets 40% of C and C gets 75% of D. Then what is the difference between the number of sweets received by brothers and the number of sweets received by others?



 $C = \frac{3}{4} \times D.$ $B = \frac{2}{5} \times C = \frac{2}{5} \times \frac{3}{4} \times D$ $= \frac{3}{10} D.$ $A = \frac{200}{300} \times B = \frac{2}{3} \times B$ $= \frac{2}{3} \times \frac{3}{10} D.$ - 1 D.







Ajay walked 12 km to reach the station from his house. Then he boarded in a train and reached his destination. The average speed of the entire journey was 62 kmph and he took a total time of 6 hours If the average speed of train was 120 kmph, then what is the ratio of walking speed of Ajay to the speed of train?

