

1. I	Raja buys soi	me apples at th	e rate of four f	for a rupee ar	nd same numbers	of oranges
at t	three for a ru	pee. To make a	profit of 25%,	Raja should	sell 6 apples for.	

- A. 5.75
- B. 6.75
- C. 3.75
- D. 4.75

Answer – D. 4.75

Explanation:

let Raja buys 'x' apples at rate four for a rupee and 'x' apples at three for a rupee.

So, cost price = x/4 + x/3

Question is asking about 6 apples

Then, CP = 6/4 + 6/3 = 3.5

Now SP = (125/100)*3.5 = 4.75

Therefore, Raja should sell 6 apples for 4.75

2. Prasanth bought an article at a 25 percent discount on the labeled price. He again sells the article at 20 percent on labeled price. Find the percent profit earned by Prasanth in the whole transaction

- A. 50%
- B. 60%
- C. 30%
- D. 40%

Answer - B. 60%

Explanation:

Let the labeled price is 100. Prasanth bought it for 75 after getting a 25% discount. Now he sells the article at (120/100)*100 = 120. So % profit he earns = (45/75)*100 = 60

3. A train running at 45 km/hr takes 36 sec to pass a platform. Next, the train takes 12 sec to pass a man walking at the speed of 15 km/hr in the same direction. Find the length of the platform.

- A. 250 m
- B. 300 m
- C. 350 m
- D. 400m

Answer - C. 350m

Explanation:



Let us assume 'T' and 'P' are the length of train and platform respectively T = 12*30*5/18 = 100 meter P + 100 = 45*5/18*36 P = 350

- 4. The sum of the present ages of a Suresh and his son is 60 years. Five years ago, Suresh's age was four times the age of his son. What will be the age of Suresh's son?
- A. 17
- B. 18
- C. 19
- D. 15

Answer – D. 15

Explanation:

Let, Present age of son be x

And then, Suresh age is (60 -x) years respectively.

$$(60 - x) - 5 = 4(x - 5)$$

$$55 - x = 4x - 20$$

$$5x = 75$$

$$x = 15$$

- 5. A can finish a work in 27 days, B in 9 days and C in 12 days. B & C start the work but are forced to leave after 4 days. The remaining work was done by A in:
- A. 6 days
- B. 9 days
- C. 10 days
- D. 12 days

Answer - A. 6 days

Explanation:

(B+C)it's one day's work = 1/9+1/12 = 7/36

B & C in 3 days = 4*7/36 = 7/9

Remaining work = 1-(7/9) = 2/9

1/27 work is done by A in 1 day.

2/9 work is done by A in 27*2/9 = 6 days

6. A sum of money invested at CI to Rs.800 in 3 years and to Rs.840 in 4 years. Find the rate of interest in PA?



A. 2%

B. 4%

C. 5%

D. 6%

Answer - C. 5%

Explanation:

CI for 3 yr = 800

CI for 4 yr = 840

CI for 1 yr = 40

 $R = (100 \times 40)/(800 \times 1) = 10/2 = 5\%$

- 7. Two vessels contain milk and water in the ratio of 7:3 and 2:3 respectively. Find the ratio in which the contents of both the vessels must be mixed to get a new mixture containing milk and water in the ratio 3:2.
- A. 2:1
- B. 2:3
- C. 3:1
- D. 3:5

Answer - A. 2:1

Explanation:

Let the ratio be k:1

then in the first mixture, milk = 7k/10 and water = 3k/10 and in the second mixture, milk = 2/5 and water = 3/5

(7k/10 + 2/5)/(3k/10 3/5) = 3/2

K = 2, so the ratio will be 2:1

- 8. A container filled with a liquid containing 4 parts of water and 6 parts of milk. How much of mixture must be drawn off and filled with water so that the mixture contains half milk and half water?
- A. 1/3
- B. 1/4
- C. 1/5
- D. 1/6

Answer – D. 1/6

Explanation:

Let water = 40 liters and milk are 60 liters.



Water = $40 - x^*(2/5) + x$ and milk = $60 - x^*(3/5)$ (x is the amount of mixture taken out) Equate both the equation, we get x = 50/3. Now, mixture drawn off = (50/3)/100 = 1/6

- 9. Two cans M and N contains milk and water in the ratio of 3:2 and 7:3 respectively. The ratio in which these two cans be mixed so as to get a new mixture containing milk and water in the ratio 7:4.
- A. 4:7
- B. 7:3
- C. 7:4
- D. 7:5

Answer – C. 7:4

Explanation:

Milk in 1st can = 3/5 and water = 2/5. Similarly in second can milk = 7/10 and water = 3/10. Take the ratio = k: 1 (3k/5 + 7/10)/(2k/5 + 3/10) = 7/4 Solve for k, we get k = 7/4. So the ratio is 7: 4

- 10. In a hostel, there are 30 students and if the number of students increased by 5 then the expense is increased by 40 per day. But the average expenditure diminishes by 3. Find the original expenditure.
- A. 810
- B. 870
- C. 910
- D. 950

Answer – B. 870

Explanation:

Let the average expenditure be P. (30*P + 40)/35 = P-3

P = 29. So expenditure = 29*30 = 870

- 11. The average of 10 reading is 25.5. In this, the average of the first three is 20 and the next four is 26. If the eight reading is 5 less than the night one and also 8 less than the tenth one, then find the eight reading?
- A. 28
- B. 26
- C. 24



D. 22

Answer – B. 26 Explanation:

the sum of all ten reading = 255 the sum of the first three = 60 and the sum of next 4 = 104. Sum of 8th, 9th and 10th reading = 91 = 3*x + 13x = 26.