Day - 10

① A dress was initially marked at 150, and a pair of jeans were priced at 50. If Emily got a 40% discount off the dress and a 20% discount on the jeans, what was the total percentage she saved on her purchases?

A) 27% B) 35% C) 45% D) 50% E) 60%

Ans:- Initial price of dress = 150.

After discount, the price of dress = $150 - 150 \times \frac{40}{100}$

$= 150 - 60$

$= 90$

Initial price of shoes = 50

After discount, the price of shoes = $50 - 50 \times \frac{20}{100}$

$= 50 - 10$

$= 40$

Total price = 150 + 50 = 200

After discount = 90 + 40 = 130

% saved = $\frac{200 - 130}{200} \times 100$

$= \frac{70}{200} \times 100$

$= 35\%$

② You manage a department that includes 10 employees who work with customers, and a supervisor. You notice that one of the employees is regularly late arriving in the morning. What would you do?

③ A) Nothing, you trust the supervisor - she works closely with the team members and is probably aware of the situation and it's under her control.

Ans

B) Talk to the employee next time you see him arrive late.

C) Ask the supervisor if she's aware of this situation.

D) Tell the supervisor that she should pay more attention to her employees' arriving hours as it looks bad.

④ ⑨ A chef receives 60 orders of pasta, it takes 30 minutes to cook pasta and season one-third of the orders with pepo. Find out how many pastas can the chef cook in two hours.

A) 82 B) 78 C) 80 D) 87

Ans:- two hours = 120 min.
30 min = 1 pasta
120 min = 4 pasta

⑤ 1 pasta contains 1/3 of the order i.e $\frac{60}{3}$
4 pasta contains $4 \times \frac{60}{3}$ = 80 pasta

Ans

⑥ How do you determine the borrowing two strings are anagrams of each other?

Ans:- To determine whether two strings are anagram or not:-

we have to sort the two strings and then compare if they are same then anagram.