

Answer on Question#43147 – Math – Other

Question:

'A' sells a car priced at rupees 36000. he gives a discount of 8% on the first Rs 20000 and 5% on the remaining Rs 16000. B also sells a car of the same make priced at Rs 36000. He gives a discount of 7% on the total price. Calculate the actual prices charged by A and B for the cars.

Solution.

"A" gives a discount of 8% on the first Rs 20000 and 5% on the remaining Rs 16000, so the actual price charged by "A" for the car is

$$20000 * 0.92 + 16000 * 0.95 = 33600$$

Similarly, "B" gives a discount of 7% on the total price, so the actual price charged by "B" for the car is

$$36000 * 0.93 = 33480$$

Answer. "A" sells a car for 33600. "B" sells a car for 33480.