



What is the price of 45 eggs if one dozen eggs cost Rs. 240?

## What is the price of 45 eggs if one dozen eggs cost Rs. 240?

- A. Rs. 360
- B. Rs. 600
- C. Rs. 900
- D. Rs. 1080

Show Answer...

**Correct Answer: C (Rs. 900)**

### **Explanation:**

To find the price of 45 eggs, we need to determine the cost of one egg first. Since one dozen (12 eggs) costs Rs. 240, we can calculate the cost of one egg using the concept of proportions.

Let  $x$  be the cost of one egg in Rs.

Using the proportion:

12 eggs cost Rs. 240

1 egg costs Rs.  $x$

To find the value of  $x$ , we can cross-multiply and solve for  $x$ :

$$12 * x = 1 * 240$$

$$x = 240 / 12$$

$$x = 20$$

Now that we know the cost of one egg is Rs. 20, we can calculate the price of 45 eggs by multiplying the cost of one egg (Rs. 20) by 45:

Price of 45 eggs = 20 (cost of one egg) \* 45

**Price of 45 eggs = Rs. 900**

Therefore, the price of 45 eggs is Rs. 900.



What is the price of 45 eggs if one dozen eggs cost Rs. 240?

- Option A, “Rs. 360,” is incorrect because it does not represent the correct price of 45 eggs.
- Option B, “Rs. 600,” is incorrect as it also does not reflect the correct price of 45 eggs.
- Option D, “Rs. 1080,” is incorrect because it does not match the calculated price of 45 eggs.

In summary, the correct answer is C, Rs. 900, as determined by the calculation using the given information.

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