

Shopping & Percentages

ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਪ੍ਰਤੀਸ਼ਤਤਾ (Percentages) ਅਤੇ ਡਿਸਕਾਊਂਟ ਦਾ ਹਿਸਾਬ-ਕਿਤਾਬ

1. What is Percentage? (ਪ੍ਰਤੀਸ਼ਤਤਾ ਕੀ ਹੈ?)

The word **Percent** comes from Latin "*Per Centum*", which means "**out of 100**". It is represented by the symbol %.

ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਪ੍ਰਤੀਸ਼ਤ (Percent) ਦਾ ਮਤਲਬ ਹੁੰਦਾ ਹੈ "ਹਰੇਕ 100 ਵਿੱਚੋਂ". ਉਦਾਹਰਣ ਲਈ, 20% ਦਾ ਮਤਲਬ ਹੈ ਹਰੇਕ ₹100 ਵਿੱਚੋਂ ₹20 ਦੀ ਛੋਟ।

CORE PERCENTAGE FORMULA

$$\text{Percentage Value} = \left(\frac{\text{Percentage}}{100} \right) \times \text{Total Amount}$$

2. Real-Life Shopping Scenarios

Scenario A: Calculating Flat Discounts (ਡਿਸਕਾਊਂਟ ਕੱਢਣਾ)

Example: You see a jacket at a store with a tag price of **₹2,500**. The store offers a **20% Discount**. How much do you actually pay?

1. Step 1: Find the Discount Amount

$$\text{Discount Amount} = \left(\frac{20}{100} \right) \times 2500 = ₹500$$

2. Step 2: Subtract Discount from Original Price

$$\text{Final Price} = ₹2,500 - ₹500 = ₹2,000$$



Quick Mental Math Trick (ਦਿਮਾਗੀ ਟ੍ਰਿਕ):

To find 20% of ₹2,500 quickly: First find 10% by dropping the last zero (₹250). Then multiply by 2 (₹250 × 2 = ₹500 discount!).

Scenario B: Understanding GST / Sales Tax (ਟੈਕਸ ਦਾ ਹਿਸਾਬ)

Example: You dine at a restaurant and your food bill is ₹1,200. A 5% GST is added to the bill. What is the total bill?

1. Step 1: Calculate GST Amount

$$GST = (5 / 100) \times 1200 = ₹60$$

2. Step 2: Add GST to Original Bill

$$Total Payable = ₹1,200 + ₹60 = ₹1,260$$

3. Deal Comparison: Which Offer is Better?

Stores often present offers in different ways. Let's compare two common promotions:

Offer Type	Description & Calculation	Effective Discount
Flat 50% OFF	Buy 1 shirt for ₹1,000 at 50% discount. Pay = ₹500 for 1 shirt.	50% OFF
Buy 1, Get 1 FREE (B1G1)	Buy 1 shirt for ₹1,000, get 2nd free. Pay = ₹1,000 for 2 shirts (₹500 each).	50% OFF (If you need 2)
Buy 2, Get 1 FREE	Buy 2 shirts at ₹1,000 each = ₹2,000 total. Get 3 shirts total. (33.3% savings per item)	33.3% OFF

4. Practical Practice Exercises (ਅਭਿਆਸ ਲਈ ਪ੍ਰਸ਼ਨ)

Q1 Shoes Purchase: A pair of sports shoes costs ₹3,200. The shopkeeper offers a 15% discount. What is the final price?

Answer: Discount = ₹480 | Final Price = ₹2,720

Q2 Grocery Unit Price Comparison: Pack A sells 500g sugar for ₹30. Pack B sells 1kg (1000g) sugar for ₹55. Which pack gives you a better price per kg?

Answer: Pack A is ₹60/kg, Pack B is ₹55/kg. Pack B is cheaper!

Q3 Electronics Sale: A mobile phone costs ₹18,000. During a festive sale, there is a 10% flat discount + an extra 5% cashback on credit cards. Calculate the final net cost.

Answer: 10% off = ₹16,200. Extra 5% cashback on ₹16,200 = ₹810. Final Cost = ₹15,390.