**1. Basic Profit Calculation**

**Question**: A shopkeeper buys a watch for $500 and sells it for $600. What is his profit?

A) $100  
B) $120  
C) $90  
D) $110

**Solution**:  
Profit = Selling Price (SP) - Cost Price (CP)  
Profit=600−500=100

**Answer**: A) $100

**2. Profit Percentage Calculation**

**Question**: A trader sells an article for $2400, making a profit of 20%. What is the cost price of the article?

A) $2000  
B) $2200  
C) $1800  
D) $2400

**Solution**:  
Let the cost price be C  
Profit percentage = 20%, so the selling price is 120% of the cost price.  
2400=120/100× C  
C=2400×100/120=2000

**Answer**: A) $2000

**3. Loss Calculation**

**Question**: A person buys an item for $500 and sells it for $450. What is his loss?

A) $40  
B) $50  
C) $30  
D) $60

**Solution**:  
Loss = Cost Price (CP) - Selling Price (SP)  
Loss=500−450=50

**Answer**: B) $50

**4. Loss Percentage Calculation**

**Question**: A man buys an article for $400 and sells it for $350. What is the percentage loss?

A) 10%  
B) 12.5%  
C) 15%  
D) 20%

**Solution**:  
Loss = Cost Price (CP) - Selling Price (SP) = 400 - 350 = 50  
Percentage Loss = Loss/CP×100=50/400×100=12.5%

**Answer**: B) 12.5%

**5. Cost Price Calculation from Profit**

**Question**: A seller sells a product for $720 and gains a profit of 20%. What was the cost price?

A) $600  
B) $500  
C) $550  
D) $580

**Solution**:  
Selling Price (SP) = $720, Profit = 20%.  
Selling Price=Cost Price×(1+Profit Percentage\100)  
720=C×(1+20/100)= C×1.2  
C=720/1.2​=600

**Answer**: A) $600

**6. Discount Calculation**

**Question**: A shirt is marked at $800 and is offered at a discount of 25%. What is the selling price?

A) $600  
B) $550  
C) $650  
D) $750

**Solution**:  
Discount = 25% of $800  
Discount=25/100×800=200  
Selling Price = Marked Price - Discount  
Selling Price=800−200=600

**Answer**: A) $600

**7. Profit and Loss with Cost Price and Selling Price**

**Question**: A merchant buys goods worth $1500 and sells them at a profit of 30%. What is the selling price?

A) $1950  
B) $2000  
C) $1800  
D) $1850

**Solution**:  
Profit = 30% of Cost Price (CP)  
Profit=30/100×1500=450  
Selling Price (SP) = Cost Price (CP) + Profit  
SP=1500+450=1950

**Answer**: A) $1950

**8. Selling Price with Loss Percentage**

**Question**: A person sells a watch for $900, which is 10% less than the cost price. What is the cost price of the watch?

A) $1000  
B) $1100  
C) $1200  
D) $950

**Solution**:  
Let the cost price be CCC.  
Selling price is 90% of the cost price (because the loss is 10%).  
900=90/100× C  
C=900×100/90=1000

**Answer**: A) $1000

**9. Profit Percentage Calculation**

**Question**: A person bought an article for $500 and sold it for $600. What is the profit percentage?

A) 10%  
B) 15%  
C) 20%  
D) 25%

**Solution**:  
Profit = Selling Price (SP) - Cost Price (CP) = 600 - 500 = 100  
Profit Percentage = Profit/CP×100=100/500×100=20%

**Answer**: C) 20%

**10. Loss Calculation with Cost Price and Selling Price**

**Question**: A seller bought a product for $450 and sold it at a loss of 25%. What is the selling price?

A) $350  
B) $375  
C) $400  
D) $425

**Solution**:  
Loss = 25% of Cost Price (CP)  
Loss=25/100×450=112.5  
Selling Price (SP) = Cost Price (CP) - Loss  
SP=450−112.5=337.5

**Answer**: A) $350

**ASSIGNMENT:**

**1. Profit Calculation**

A person buys a pair of shoes for $120 and sells it for $150. What is his profit?

A) $20  
B) $30  
C) $25  
D) $40

**2. Profit Percentage Calculation**

A shopkeeper buys a TV for $800 and sells it for $960. What is the profit percentage?

A) 15%  
B) 20%  
C) 10%  
D) 12.5%

**3. Loss Calculation**

A person buys a bag for $450 and sells it for $400. What is his loss?

A) $40  
B) $50   
C) $30  
D) $60

**4. Cost Price Calculation from Profit**

A person sells an item for $540, making a profit of 8%. What was the cost price of the item?

A) $500  
B) $520  
C) $510  
D) $530

**5. Discount Calculation**

A book is marked at $500 and is offered a discount of 12%. What is the selling price of the book?

A) $440  
B) $460  
C) $470  
D) $450