**Interview-Style Programming Questions: Basic Math and Logic**

### 1. Area of Square

**Question:** Calculate the area of a square. - **Formula:** Area = side × side - **Input:** - Side = 5 - **Output:** - Area of square is: 25

### 2. Area of Rectangle

**Question:** Calculate the area of a rectangle. - **Formula:** Area = length × breadth - **Input:** - Length = 6 - Breadth = 4 - **Output:** - Area of rectangle is: 24

### 3. Area of Triangle

**Question:** Calculate the area of a triangle using base and height. - **Formula:** Area = (1/2) × base × height - **Input:** - Base = 8 - Height = 5 - **Output:** - Area of triangle is: 20.0

### 4. Perimeter of Square

**Question:** Calculate the perimeter of a square. - **Formula:** Perimeter = 4 × side - **Input:** - Side = 6 - **Output:** - Perimeter of square is: 24

### 5. Perimeter of Rectangle

**Question:** Calculate the perimeter of a rectangle. - **Formula:** Perimeter = 2 × (length + breadth) - **Input:** - Length = 5 - Breadth = 3 - **Output:** - Perimeter of rectangle is: 16

### 6. Perimeter of Triangle

**Question:** Calculate the perimeter of a triangle. - **Formula:** Perimeter = side1 + side2 + side3 - **Input:** - Side1 = 5, Side2 = 6, Side3 = 7 - **Output:** - Perimeter of triangle is: 18

### 7. Break Amount into 1000s, 500s, and Remaining Change

**Question:** Break the total amount into denominations. - **Input:** - Amount = 3700 - **Output:** - 1000s: 3 - 500s: 1 - Remaining: 200

### 8. Convert Seconds into Hours, Minutes, and Seconds

**Question:** Convert total seconds into hours, minutes, and seconds. - **Input:** - Total seconds = 3672 - **Output:** - Hours: 1 - Minutes: 1 - Seconds: 12

### 9. Sum of Marks (Maths, Physics, Chemistry)

**Question:** Calculate the sum of marks in 3 subjects. - **Input:** - Maths = 85 - Physics = 90 - Chemistry = 88 - **Output:** - Total marks: 263

### 10. Average of Marks (Maths, Physics, Chemistry)

**Question:** Calculate the average of marks in 3 subjects. - **Input:** - Maths = 85 - Physics = 90 - Chemistry = 88 - **Output:** - Average marks: 87.67