Chapter 11: Area and its Boundary

Q1. Whose Slice is Bigger?

- **Piece A** = 6 cm × 5 cm = **30 square cm**
- **Piece B** = 11 cm × 3 cm = **33 square cm**
- So, **Piece B is bigger by 3 square cm.**

Q2. Cover with Stamps

- Area = length × width = ?
- Example: If stamp is 4 cm^2 and rectangle is 12 cm × 8 cm
  - Area = 96 cm^2
  - No. of stamps = 96 ÷ 4 = **24 stamps**

Q3. Practice Problems:

- **Arbaz's Tiles**:
  - Tile area = 10×10 = 100 cm^2
  - Kitchen = 220×180 = 39600 cm^2
  - Tiles needed = 39600 ÷ 100 = **396 tiles**
- **Square Garden**: Perimeter = 20 m
  - Each side = 20 ÷ 4 = **5 m**
- **Rectangle with 20 cm wire** and width = 4 cm
  - 2(l + 4) = 20 → l = 6 cm
- **Carrom board**: Perimeter = 320 cm
  - Side = 320 ÷ 4 = 80 cm → Area = 80×80 = **6400 cm^2**
- **Design from triangles**: If triangle = 0.5 of 1 cm^2 square,
  - Count triangles → Area = (no. of triangles) × 0.5 cm^2