

Cornell Note

## Area and Distributive Property

## Today's Standard

3.MD.C7c - Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths a and b + c is the sum of a × b and a × c. Use area models to represent the distributive property in mathematical reasoning.

| Cues                               | Notes   |
|------------------------------------|---|
| What is the distributive property? | The distributive property shows how multiplication works with addition.                                   |
| How is area calculated?            | Area is calculated by multiplying the length and width of a rectangle.                                    |
| How is allea calculated:           | Tiling involves covering a surface with square units without gaps or                                      |
| What is tiling?                    | overlaps.   |
| How do you use area models?        | Area models use visual representations to show how the distributive property applies to area calculation. |

## Summary

Understanding the distributive property through tiling and area models helps in calculating the area of rectangles and prepares students for advanced mathematical concepts.