

# Tutorial: Distributive Multiplication over Addition

## Problem C

What is  $3 \times (12 + 15)$ ?

## Step-by-Step Solution

We will solve this in two phases:

Step 1: **Evaluate the expression inside the parentheses:**

$$12 + 15 = 27$$

(As we learned in Problem A)

Step 2: **Multiply the result by 3:**

$$3 \times 27 = 27 + 27 + 27$$

Step 3: **First addition:**  $27 + 27 = 54$

Step 4: **Second addition:**  $54 + 27 = 81$

## Conclusion

$$3 \times (12 + 15) = 81$$