

So we are given an expression:

$$x \cdot 2 + x \cdot 3$$

Let's differentiate it!

$$x \cdot 2 + x \cdot 3$$

Uhhh, let's simplify it a bit...

Let's reshuffle operands a bit

$$2 \cdot x + x \cdot 3$$

Let's reshuffle operands a bit

$$2 \cdot x + 3 \cdot x$$

Sprinkling out-of-brackets magic!

$$x \cdot 5$$

Let's reshuffle operands a bit

$$5 \cdot x$$

So finally:

$$5 \cdot x$$