

# Distributing Multiplication over Addition

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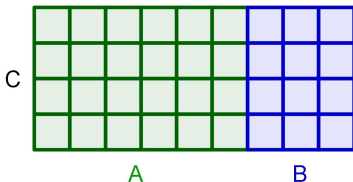
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Then multiply sum  $(A + B)$  by  $C$

$$C \cdot (A + B)$$



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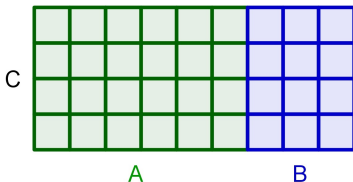
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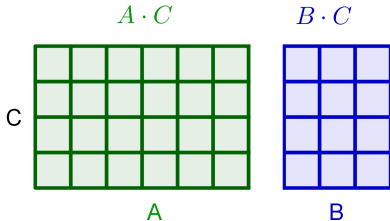
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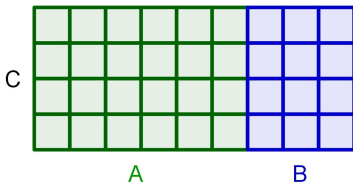
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Then multiply sum  $(A + B)$  by  $C$

$$C \cdot (A + B)$$



First, multiply  $A$  and  $B$  by  $C$

Then add products  $A \cdot C$  and  $B \cdot C$

$$C \cdot A + C \cdot B$$

$$A \cdot C$$

$$B \cdot C$$

