

## Chaib Ratios

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Suppose quantities ratios  $A$  and  $B$  are in the ratio  $3 : 5$ . Ratios  $B$  and  $C$  are in the ratio  $2 : 7$ .

What is the ratio  $A : B : C$ ?

Multiply the first ratio by 2 to get  $6 : 10$  and the second by 5 to get  $10 : 35$ . The relative quantities for  $C$  are the same in both equations, so we can write the ratio  $A : B : C$  as  $6 : 10 : 35$ .