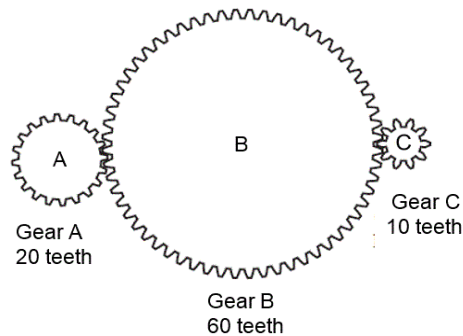


JULY '23 LOGIC Challenges

1. The turning of Gear A causes Gears B and C to turn as well. If Gear A is rotated by the motor at a rate of 100 rpm, what is the number of revolutions per minute for Gear C?



2. Tatum has to visit towns A, B and C in any order. Some new roads are now available for connecting these towns with her Home as shown on the diagram below. How many different routes can she now take starting from Home and returning to Home, going through towns A, B and C in any order, but not more than once through each and not travelling any road twice on the same route?

